Medical Image Analysis Professor Ganapathy Krishnamurthi Department of Engineering Design Indian Institute of Technology, Madras Lecture 40

Draw --. KALLURI's End_M. GANS for M NPTEL. DCGAN Tut. NPTEL. DATASET New S. -> DI New S. Linear Reg New S... > CORP.. Diary GATE New... > GATE.. > GATE. > IIT A... MAJOR. predict or the Sreeniv Dgiti... ATAL... zidaci Add pag Add section Draw - 🖉 🔻 IN. KALLURI's Noteb... V Pillow End_M. New GANS for M adit NPTEL. DCGAN Tut NPTEL. DATASET New S. New S... Linear Rec New S... > CORP.

Linear Regression Demo

(Refer Slide Time: 00:15)







• 200 NPTEL
 IN
 ■ KALLURI's Noteb... ∨ ↓F

 Q
 ■ MALLURI's Noteb... ∨ ↓F
 (NPTEL.. GANS for M ... DCGAN Tut. NPTEL.. DATASET New S... New S... New S... Untitled Page Linear Regr... Untitled Page > CORP... > Diary ✓ GATE New... > GATE.. > GATE... > IIT A... > MAJOR. Sreeniv... Dgiti... ATAL... > zidagi 3 Add section Add page









Hi, everyone, I am Krishna Khalori, PA of the Ganapathy Krishnamurty Sir. In all artificial intelligence related problems, in all artificial intelligence related problems, be it either ML problem or a DL problem, like machine learning problem or deep learning problems, to solve any kind of problem, fundamental thing that is necessary is data. Once we have data, using this particular data, we are going to train a particular model, train a model, using this particular data we are going to train a model.

Once the, that model is trained, we will you use some new data to feed as input to the trained model. So, it will predict some output. The main goal is we should train this

particular model in such a way that whenever new data comes, it should predict in a desired way. This is the whole idea of this entire training model. What sort of data that is available in digital domain?

First thing is, images you can expect, second thing is videos, you can expect, third thing is like CSV or Excel files, mostly the numerical values or tabular datas will be stored in CSV or Excel files, videos, similarly, we can have text data. Let us assume that these are the four sorts of data. One more thing is more or less like speech kind of data, speech data or we can say one dimensional data. These are the several ways in which datas are available in digital domain.

So, whenever you want to feed the machine learning model or deep learning model data, data should be sent in a particular format to both machine learning and deep learning problems or deep learning models irrespective of the data, irrespective of the data, like images, video, speech data, one-dimensional text data or CSV, Excel files, all these data should be converted into NumPy Array, NumPy Array. This is the fundamental thing one should be noted while dealing with machine learning and deep learning problems.

Summary is, irrespective of the data, we should convert that kind of a data into NumPy Array format. Suppose if you take as ML problem, machine learning problem, NumPy Array can be directly fed into the machine learning models, whereas into the deep learning models, we should convert this again, convert this NumPy Arrays into tensors before feeding the data into deep learning models. This is the usual way. So, one should be familiar with NumPy Array, NumPy Array like, there is in Python.

Now, coming to second thing, in order that, to load files like CSV files or Excel files, we need pandas. Pandas library, where, in this pandas library we are going to feed the CSV files as data frames, data frames. Once you convert this CSV files or Excel files into data frames, further it will be easy for us to handle the data to do our data analysis, analysis. So, to work, just I am explaining whatever are libraries that are very much important to start off working with either machine learning problems or deep learning problems.

Fundamental thing that is necessary is NumPy Array, second thing is pandas library, third thing is Matplotlib, Matplotlib. While dealing with the data, you always try to visualize

the data, like suppose if I have Excel sheet data I just want to see a column of data as a graph. I can use that particular column of data and I can use this Matplotlib for the visualization of the particular column however that data has been distributed. To get some visual picture, we go for Matplotlib library.

One more library that is also, mostly people use, that is like Seaborn, s-e-a-b-o-r-n. So, one should be familiar with both, Matplotlib and Seaborn is an added advantage. So, if you know Matplotlib alone, that is also fine.

Next thing is machine learning models, machine learning models. To get familiarized with the machine learning models, or how to use this particular machine learning models, one should be familiar with scikit-learn library, one should be familiar with scikit-learn library. Irrespective of the data, whatever you have data, you should convert that particular data into NumPy Arrays. After converting into NumPy Array, we should use the data directly into the scikit-learn library.

Now, coming back to deep learning models, and after that to train your, to train the models of deep learning models, we just have to be familiarized with the either PyTorch library provided by Facebook or TensorFlow library, TensorFlow library. So, make sure that get familiarized with either PyTorch library or TensorFlow library. Before feeding data into this particular PyTorch or TensorFlow libraries, our PyTorch or TensorFlow models, first, we convert the data into NumPy Arrays, NumPy Arrays.

After converting into NumPy Array, we should convert that into basic tensor format. These deep learning models expect data in terms of tensor format. This is the whole idea. The summary is to start off your work in machine learning problems or with the deep learning problems you should be familiar with these kind of libraries.

First and foremost, first and foremost is for NumPy library, second thing is pandas library, third thing is Matplotlib library, fourth thing is machine learning models related, that is scikit-learn level library, next thing is deep learning models related models that is PyTorch library or TensorFlow library. TensorFlow library is provided by Google, PyTorch library provided by Facebook, that is it. So, to get your hands on using Python to solve any kind of AI related problems, you should be aware of this stuff. Once we obtained the data, the usual procedure to solve any ML problem is to please split this data into training data. Second thing is validation data, third thing is test data. Suppose if you have some 1,000 data points, you can divide either it like 70 percent is for train, 20 percent is for validation, and third one is test data.

But why, that is the question? Suppose, I have used this, instead of using this validation data in between, what I can do is directly, I can use 70 percent is for training and the whole 30 percent is for testing. Mostly, ML problems suffer from overfitting problems, problems, that is, the matrix, let us assume that the matrix is loss value, or error value. That particular loss value is less for trained data.

After training, we are going to get very less error or loss value for the trained data, whereas if you test the, that, if you use the test data on this trained model, you will get loss value as high, loss value as high for the test data. This is nothing but overfitting problem. So, our goal is to always try to maintain the balance of both trained data and test data, loss values of both trained data and tested data should be more or less same. That is how we should design the models or train the models.

So, what happens, suppose this, on this particular test data, model is not giving less value just like for the training, just as training error. That means, again, you have to train the model. So, suppose second time also I have done and I have used the test data, same thing happened. Again, third time again, I have trained. Now, I used my test data, again happened that we are not reaching the error value or loss value more or less same to trained data.

So, while training the model itself, instead of after training and doing up, instead of doing the validation after the entire compression of training, we, we came up with validation part. We came up with validation part while the model is training. So, as the, instead of, for, from those 30 percentage, we are converting into 20 percentage into 10 percentage. This 20 indicates validation, this one indicates test.

So, when the model is training, validation loss is not improving or I mean validation loss is not decreasing. Again, the model will train in such a way that validation loss also should be low. So, the advantage is here. While the, while training the model itself, we are just testing whether that particular model is performing well or not. So, once this entire training is done, only once we can use the test data whether this model is performing well or not. That is the basic idea behind using validation data set.

The summary is, validation data will help you to better, to train the model in a better way while that, while doing the training itself. So, the usual procedure is either you can split the entire data into a 70 percentage, 20 percentage or 10 percentage or 80, 10 percentage or 10 percentage. This is how you should use this one. Next thing is cross validation, one should be familiar with.

Cross validation is nothing but, since I am using validation, assume that I am training my model like this. Suppose this is my trained data, enter trained data. One iteration is done. In the second iteration, I will use this part for validation and remaining part for training. Here, I am using this part for, suppose this entire data is like, whole data which we are going to train. While training I am assuming that in the first iteration, all these points, I am taking as trained, and these points for validation.

Let us assume that I am doing this cross validation like 5 times. In the second iteration, what I do, instead of doing, taking these same points as validation I am taking some other points and remaining as again, they act as training points only. Similarly, in the third iteration, we can choose these points as validation part, remaining as training points. Likewise, I will do for all the five iterations. This is nothing but cross validation concept.

To do all these tasks, to automate all these tasks, whatever we have, something like cross validation, and all the implementing of this model, everything, we should be familiar with the libraries. That is it. There is nothing else.

(Refer Slide Time: 15:10)

Home Insert Draw View		Saved offline (error) 🕑 Share
MI () ↔ Text Lasso Inset Mode Select Space Exact Pen Marker Highlighter	Colour	NPTEL
M Problem Setting: All .	the fations are hundlighted ones.	
C (LASSIFICATION !	Teallithe Fingel	
BREAST CANCER DATA SET	41 %, 33 3% []	
REGLESSION PROBLEM SE	117 <u>2</u> 106 ;	
Housing Price Data set	XIN, Xy NA Y	
	3. ý 3. 5	
	713	
6		
an Br Dita Giver: rature	and Targets	
9°~	OneNote	8
9 🤆 … Home Insert <u>Draw</u> View	OneNote	Saved offline (error) 🕑 Share 🗮
OP Craw View Home inset Oraw View SAT Mode Sett State Tot Laise Inset Setter New Keiner Keingelagter ● ●		Saved offline (ums)
P C to: Home Insurt Draw Vew KI		Seved offine (Amr) 2 Dave
PC → Hone Intel Draw Vev No Image: Second s	TTIAS;	Send affine (arm)
P ⊂ Home Intel Draw Vev ST Letter No ST No Letter No ST	Consider $\begin{array}{c} \bullet \bullet \bullet \\ \bullet \\ \bullet \bullet \\ \bullet$	Sand office (and)
P C → Home Insult Draw Vev Set Image: Set	Contraction Contractions Con	Sand office (prov)
P C += Home Insult Draw Ver Mill Enter Insult Insult Insult Not Lisse freet Insult Insult Insult Not Lisse freet Insult Insult Insult Not Lisse freet Insult Insult Insult Notation Housing Price Data set	TTTAS;	Saved office (prov)
Vert Horse Italian Data Data Mark Data Mark Data Mark Data Housing Price Data set	$\begin{array}{c} \textbf{Controls}\\ \bullet \bullet \bullet \\ \hline \begin{matrix} \textbf{I} \\ \textbf{I} $	Send office (prov) 2 2 Survey NPTEL
Vert Hors form form <thform< th=""> form form</thform<>	The second secon	Sevel office (mm)
Port Hors Intel Top Ware With Here Here With Here Here With Here Here With Here Here With Here Here With Here Here With Here Here With Here With Here	United The second seco	Seed office (prov)
Process Function The second	United TTPAG T	Sand office (prov)
Vert Hunt Daw Vert With the first Wert Wert Wert	TTANG TTANG TTANG TTANG TTANG TANGAL TANGAL TANGAL TANGAL TANGAL TANGAL TANGAL TANGAL TANGAL TANGAL TANGAL TANGAL	Send office (prov)
PC Horse Intell Daw Ver With the first With the first With the first With the first No List for the first With the first With the first No List for the first With the first With the first No Housing Price Data set With the first With the first Or Housing Price Data set With the first With the first Or Mith the first With the first Califies Or Mith the first With the first Califies Or Mith the first Mith the first Califies Or Mith the first Kington Califies Or Mith the first Kington Califies With the first Kington Califies Kington Unit the first Line Hit Line Hit Line Hit	The second secon	Seved office (prov)
View Institution Draw View Note Lister Pretor Lister Pretor Lister Pretor Note Lister Pretor Lister Pretor Pretor Note Lister Pretor Lister Pretor Lister Note Lister Pretor Lister Lister Note Lister Pretor Lister Lister Note Lister Lister Lister	The second second for any given and second for any given any	Seed office (prov)
PC Intel Daw Ver With their term With their term With their term With their term Image: State of the term With term term With term term With term term Image: State of term With term term With term term With term term Image: State of term With term term With term term With term Image: State of term Housing Price Data set With term Image: State of term With term Cutous Image: State of term Cutou With term Image: Sta	Under TTANS: TTANS: I I I, I, I, I, I I, I, I, I, I, I, I, I	Seed office (prov)







9	OnaNota		\$
Home Insert	Draw View	Saved offline (error)	🖞 Sha
Text Lasso Insert Mode Select Space	z Barr Pen Maler Mgrighter ●●●●● □ □ □ □ □ □ □ 0 0 0 0 0 0 0 0 0 0		NPTE
17. Q	m→ lde pinte		
©	diss fuiltin: $\sum_{i=1}^{m} (Y_i - Y_i)^{i}$ $\rightarrow we have to vision hise this fulltion with hequit to \beta_1 and \beta_i$		
	-> Finally Sytumbe the values of po and for. Hence for fix I New? That - Bot for		
1	$R^{2} = 1 - \frac{RSS}{TSS} \qquad R^{2} = 1 - \frac{SS_{RES}}{SS_{TOT}} = 1 - \frac{\sum_{i}(v_{i} - \hat{y}_{i})^{2}}{\sum_{i}(v_{i} - \bar{y}_{i})^{2}}$		



















Now coming to ML problem settings. Most of the times, you can see that either classification problems are regression problems mostly.

Suppose if you observe this breast cancer data set which Sir has discussed in the video also. Here, this is how the data set will be given. Like we have some x1, x2, x3, like that some features we will have, and this one is called targets. These are called features, these are nothing but targets. This is how the data has been provided.

Suppose, in terms of classification, the output values, like target variables are given as depending on the number of classes. Suppose I have some n number of classes. So, I will give the digits from 0 to (n-1), that is the usual criteria. Even you can give some distinct numbers also, that is up to you, but mostly this is how the people will give in problem setting with respect to classification.

Now, coming to the regression problems, we will given, we will be given same like, that CSV file where we have x features. These are nothing but the features and these are nothing but the targets. Regression means continuous. Here, if you observe the outputs here, you can see they are all continuous values, like 2.5, 3.5 or so many other kind of any real number.

So, in summary, in, see, most of the times we are dealing with the regression problems, we will be given data in terms of either CSV files or Excel sheets where you will be

given the, suppose we have n number of data points, for all the n number of data points, we have some m features, and correspondingly, we will have target variable also. This is how the data has been given.

Just here I have discussed like this, where features and targets are given. Our task is to, using this particular data like suppose you have some m data points, m data points you have, I have to prepare a particular model or train a model by using this kind of data set. That is my task. Here, especially the linear regression problems, where we will be given data like this, and we have to generate a function like this.

Like $y = \beta_0 + \beta_1 x$ where suppose, assume that for all the data points, we have only two dimensionals, only, the data is having only one dimension, like, suppose I have only x, well x has only one column. My target anyway, it has only one column. Suppose, you have only one feature, one feature or in terms of, you can say unique variable or unique variable, unique variable you have.

At the point of time, we will go for univariate linear regression, where you will try to generate this function $y = \beta_0 + \beta_1 x$ using this particular loss function, we are going to estimate the β_0 and β_1 . This will be taken care by the library, what I have mentioned as a scikit-learn library, it will take care of to estimating this stuff.

After fitting the model, we, in theoretical part, we say that we will estimate β_0 and β_1 . Once we know the β_0 and β_1 values, for any new kind of data point comes, suppose x value, new value comes, like X_{NEW} , now, I will substitute here. $\hat{Y}_{\text{out}} = \beta_0 + \beta_1 X_{\text{NEW}}$ I will give, β_0 , I already know from the model, β_1 , I know already from the model, and I will substitute this new value and I will predict this particular Y_{out} . This is how the criteria goes.

In summary, suppose you have only one variable in terms of independent variables or in terms of features, we can say, where y is nothing but the target, at the time, we call it as univariate linear regression. There, we are assuming just this particular function, $\beta_0 + \beta_1 x$. It will take care of. So, we are saying that the training is going on. But while the training is going on, we should be in a position to evaluate, while the training itself is going on.

Like, we need some metric, while the training is going on, we have to see some metric. So, if you are able to find that, that metric is good enough, that means, the training is going well. Like that, in linear regression problems, we have three matrix. Most of the times people will use these three matrix only. Like R^2 value, it is given by here, this kind of a formula, where y_i is nothing but the original target, targets or the data that is given.

Like do not put data when it comes to $\hat{y_i}$. This is nothing but the predicted value. This is nothing but the original target value, this is nothing but the predicted value. Next, $\bar{y_i}$ is nothing but mean of all the target values, mean of all target values. This is one sort of a matrix. We expect this value to be 0 to 1, 0 to 1 in general, and I need a value of 1.

Suppose, after fitting the model, if you are getting 1 value, that means we have developed a very good number, that is very good. Next thing is mean square value. This is the matrix, similarly, you can always, you can also say that it is mean absolute error. These are the three metrics, we can see, in designing a linear regression problem.

Till now, I have discussed only matrix related to linear regression, at the same time I have discussed only with respect to univariate linear regression only. That means independent variables are features, we have only one, targets we have. Now, coming to multivariate regression. It is just another extension of this univariate regression.

Instead of only one β_0 and β_1 , we are extending these coefficients. Now, suppose in case I have x1, x2, x3, x4, likewise I have xn, like n features I have, for every data point I have n features, n data points, n features, we just have to build this particular line. Usually, since it is not a two dimensional plane, that is why we call this one as a hyper plane, not a line, hyper plane we call.

Here we, instead of estimating just β_0 and β_1 , we are extending our task and we are estimating remaining things also. I have already told you that is the basic difference between multivariate linear regression and univariate regression. That is, univariate regression, you will have only one variable as features, whereas in multivariate regression, you will have several variables or several features.

Now coming to Python implementation, here, I am going to use the scikit-learn library only. So, most of the times, whatever the task you do with respect to machine learning, you must be focusing about NumPy, pandas, matplotlib and scikit-learn. I request everyone to please be familiar with these four libraries. Suppose if you are dealing with deep learning you should be familiar with also TensorFlow and PyTorch.

People who are in academic domain or research domain, most of the people I request you guys to please go with the TensorFlow. Whenever a new research paper comes, people are releasing their code mostly in terms of PyTorch. So, you will have an added advantage. So, I request those who are in academic and research domain, please go with the PyTorch. Even TensorFlow is fine, but I request you to go with the PyTorch because it is helpful for you.

I have already discussed this overfitting problems. To deal the overfitting problem, I have already told you, we use the validation data set, validation data set while the training is going on, where we will tune the, all the hyper parameters according to this validation data set. It is the key, or we can say this is the center. Hyper parameter tuning is done with the validation data. Like here, I have already explained this graph.

Suppose the white color indicates, white indicates that training error or loss, error or loss, whereas the green color indicates this validation loss. We have to train our model and save our particular model exactly at this point. This is our region of interest, or we can say where we have training error and testing error, the, the difference or the gap between training error and validation error should be minimum. The difference between, or the gap between them is minimum. This is what we need.

We can even say this point is nothing but low bias and low variance. This is the, our interest, point of interest. This is nothing but the entire theoretical part, I just have discussed. In general, to deal these overfitting problems as I told you, validation data set we will use to tune the hyper parameters, but how, how, which kind of hyper parameters, we will discuss.

(Refer Slide Time: 25:00)



Usually, to deal this overfitting problem, we are going to have two other linear regressions, like lasso regression and regular regression, sorry, ridge regression, where both the terms will involve regularization term, regularization term. Even this one also indicates regularization term. This is not that difficult. Just for the sake of understanding, assume that using these ridge regression, lasso regression, we can deal the linear regression problems without getting affected by overfitting, that is the summary point.

Now, coming to what this ridge regression and lasso regression. You can go through them, it is not that difficult, theoretical part. By the implementation, I will explain how exactly to use this stuff. This particular, apart from the loss function which we have designed for simple linear regression, we will have some λ term or we can even say some α term. According to your comfort, you can use any term.

We can have weight square or otherwise you can say just weight itself. So, theoretically this much is not that much necessary while implementing the things. For the sake of understanding I am just intimating you that you guys just have to learn what is meant by ridge regression and how to use this one, what is this lasso regression and how to use this one.

In the implementation part, I am going to show you two examples, one with respect to the medical data, one is related to medical data, data that is available in medical domain, that means some, with respect to hospital data, hospital data. And the second thing is something like housing price data set, housing price data set. Both are given in CSV format only, comma separated values, we call CSV format. Or we can even go for Excel format also or Google Sheets, Google Sheets. These are the usual things you can found.

Two problems, I will explain. In the medical domain, medical data related problem, I will just discuss only the simple linear regression or multivariate linear regression, where it does not involve any kind of cross validation or any sort of overfitting. I do not discuss all this stuff. I will just let you know how to apply this entire training data, whatever that has been given to you. After fitting that particular, after fitting the particular model, I will just give the test data to that particular model and I will generate the output. That is first example.

I am not going to discuss anything related to overfitting and all that issues in this particular data set. Now, coming to house pricing data set, I will discuss that stuff where it involves even overfitting problem. And it will even discuss the cross validation stuff, using cross validation, we are going to hyper, tune the hyper parameter as sigma, sorry, λ , you can even call α , the term that is belonging to regularization.

(Refer Slide Time: 28:37)

Drive	Q. Search in Drive		14 14 14	0 🕸 🏢	😂 IITM 🌑
New	My Drive > Linear_Regression_Medical_Data >	NPTEL_LInear_Regressi	on_Notebook + ⇔ &+	◎ 🗎 :	⊞ (j 🛛
Priority	Name 🧄	Owner	Last modified	File size	
My Drive	CO MLL_standardlibrary.lpynb	me	Sep 9, 2022 me	28 KB	Ø
Shared with me	Hospital_dataset.xlsx	me	Sep 9, 2022 me	9 KB	
Recent	Copy_of_Multiple_Linear_Regression.ipynb	me	Sep 9, 2022 me	184 KB	+
Trash Storage 68 used					

Now, coming to the implementation part. I have just shared this entire documents or the folder, entire folder I have given to you. Just upload this particular folder onto the Google Drive. After uploading the particular folder to the Google Drive, you will get to see these three things, where you can see that this is nothing but the hospital data set, where you can see.

(Refer Slide Time: 29:10)



Once you click on that one, you will get to see this kind of a data, where it indicates number of access in a particular month, at the same time like bed days means how many beds are occupied in a single month.

Similarly, length of the, length indicates how many hours a particular patient has been stayed, has stayed in that particular hospital. So, if the number of beds are taken are being, taken more that means hospital is functioning those many number of hours. I mean increase in this number will indicate more the number of operating hours. Similarly, as the number of beds are occupied in a particular single month is very high, that means hours also will be more.

Similarly, as the stay of a particular patient is more, that means his, operating hours of the hospital also should be more. So, all these three variables can be treated as an independent variable, and hours here, which will be called as a target variable.

(Refer Slide Time: 30:06)

Drive	Q, Search in Drive		3 <u>1</u>	0 🔅 🏢	🕒 IITM 🌑
New	My Drive > Linear_Regression_Medical_Data >	NPTEL_Linear_Regression	on_Notebook + 👄 👌	◎ 1 :	⊞ ()
Priority	Name \downarrow	Owner	Last modified	File size	
My Drive	CO MLL_stan fandlibrary.ipynb	me	Sep 9, 2022 me	28 KB	0
Shared with me	K Hospital_dataset.xlsx	me	Sep 9, 2022 me	9 KB	
) Recent	Copy_of_Multiple_Linear_Regression.ipynb	me	Sep 9, 2022 me	184 KB	
Starred					- /
Trash					
) Storage					
5 GB used					



Now, coming to implementation part. This is a collab notebook, sorry, jupiter notebook, that I am opening in Google Collab.

(Refer Slide Time: 30:21)

um Likeliho M Gmail 🖪 YouTube	💡 Maps 📋 Breast_Cancer_H 📋 Programming 📋 NDA 🖪 YouTube 💭 Classification-of 🖪 Medica	I Data Scie K BraTS2020 Datas * 🔟 Other Bookman
Copy_of_Multiple_Linear_Re	gression.ipynb 🔅 els Heip Last edited on Sextember 9	🗖 Comment 😃 Share 🌩 🚯
+ Code + Text		Connect 👻 🖌 Editing 🔥
 Multiple Linear Regression 	on to Support Hospital Operations	
Defenses		
Reference.		
Great tool for making pre	dictions	
Application:		
Industries that deal with staffing iss better schedule their workers as well	ues, such as the Hospital Adminstration Industry, can benefit from the use of Multiple Linear Regres . I as get a better idea of what factors in their current operation ^T s could be increasing employee work t	ien to mes.
<pre>[] from google.colab import d drive.mount('/content/driv</pre>	irive g)	
Mounted at /content/drive		
Dataset: The dataset we are going to be usin The independent features of the dat X-Rays (number of x-rays per Bed Days (Number of coccupie Lenth carean learnth of rails	g today is a SAS hospital staffing dataset. ased are: north) deel days emoth) deel days emoth)	
· Lengin (arende lenger of pau	and and permoning	
kalamgaru.webp ^ 1 melbo	une zip A	© X Show all X
kalamgaru.webp ∧ ½ melbor NPTEL_1 X CD Cosy_of_ X CD MLLst → C is colab.research.googic.com	une sip ^	• x Dead x • x © Lees, i x k Melon: x + • 0 0 + 0 6
alimgaru.webp ^ 1 melbor PTEL_I X 00 Coycl_ X 00 MLLst O C is colub.research.google.com aimun Lietho. M Onal C Youlbe	zme zíp ∧ =: x @ Hospiu, x @ Hospiu, x @ ML,ste: x & Colo 16: x & Melou:: x @ Melo dotwyłoje uCJAGSyfyWOłg60/ZMEWYEOWEONECOTEOnryg200/ABEIOn 9 Mais ::: @ Index.conz.t. :::: @ Meloniming :::: NA @ Trafilat () Clasification-dr. @ Melo	• X Bread X • X © Deed X K Melouri X + • 2 • 3 • 0 • • • • • • • • • • • • • • • •
kalampanuwebp ^] meloo PTELI X co Cony.cl. X co ML.st → C (a colab.research.google.com anium.telaha M Gnal © Youlde ▲ Copy.of_Multiple_Linear_Re ■ Copy.of_Multiple_Linear.	ame.sip ∧ = x : Heyeni, x : Heyeni, x : GOML_min x △ Cole hin x △ Metouri x : Uetou GringTe_CALOS/FJMO29562246W/6M/8D/NaccolToury30/PAEIom ♀ Mas ::: Heyeni, Carocr,H. ::: Programming ::: NA : Trafile: C Countration-d : Metou gression(byth) ☆ & Help	x Bread x x bread x
kalangaru webp ∧ 3 mebo metru: X © Gay, et X © MLL at → C a celab research google com taximu Lietra. M Goal © Trable Ge Gory of Multiple Linear, Re File Edi Vew Isant Rumino 7	ame.alp A	X Bread X A
Aslampsrusebp A 2 meloo	zme.zip ∧ x 2 Hugets: x 2 Hugets: x 3 ML_uts: x ∆ Cale Nii x ∆ Metouri x 2 Metou torrugTu=UCALOSyFoutOrb(2022eHV/6fm/8fm/8fm/8fm/8fm/8fm/8fm/8fm/8fm/8fm/8	X Bread X Bread X Bread X Consect X K Moloce X + Consect X Some Some Consect X Some Some
kalamgaru webp ∧ 1 method MRTL[] X © Corey of X © MLL_M → C © couble search google.com Failer Edit Vew Intert Runtime To File Edit Vew Intert Runtime To File Edit Vew Intert Runtime To C © © © © © □ X © C © © © □ X © C © © © □ X © C © © 00	arme.sip ^ xx (i) Huspati, x (ii) xx (iii) Huspati, x (iii) xx (iii) Huspati, x (iii) xx (iii) Huspati, x (iiii) xx (iiii) Huspati, x (iiii) xx (iiii) Huspati, x (iiii) xx (iiii) Huspati, x (iiiii) xx (iiii) Huspati, x (iiiii) xx (iiii) Huspati, x (iiiiii) xx (iiiiii) Huspati, x (iiiiiii) xx (iiiiiiii) Huspati, x (iiiiiiiii) xx (iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	X Densel, X K Motorn X + A X Comment, X K Motorn X + A A Comment, X K Motorn X + Comment, X K Motorn X + Comment, X Sure & C Comment, X Sure & C A
Aulangaru webp ∧ 3 meloo MPRL X © Cary, et X © ML, si → C © coub.reserch poople.com teameru takina. M Grail © -takita © Coup, of Multiple_Linear, Re The East Vew Inset Runtime To Rises	wm.dp ^ in X in Heiphil, X 00 ML_dis: X Collection: X Methods Method in X in Heiphil, X 00 ML_dis: X Collection: X Method Method in X in Heiphil, X 00 ML_dis: X Collection: X Method Method V Method in Heiphil, X 00 ML_dis: X Collection: A Method in Heiphil + Code: + Test in opposite.collab isport: drive in opposite.collab isport: drive in Dataset: in	X Dens II X Methods X +
Aalangaru webp ∧ 3 meloo WFILL X © Carp, of X © M LL9 → C © Carp, of X © M LL9 → C © Carp, of X © M LL9 → C © Carp, of Autiple_Linear, Re File St We insert Austime To Files □ X © Ca © Q □ Carp, of Multiple_Linear, Re □ X © Carp, of Autiple_Linear, Re □ X © Carp, Autiple_Linear, Re □ X © Carp, Autiple_Linear, Re □ X ©	arms.dp ^ ix i i Heapelul, x i i Mult_Mis, x i Caller No: x i i Medouri x i i Medouri x i ix i iii Heapelul, x i iii Mult_MissionUTcaneyg20yAEUGm iii Medouri x i iii Medouri x i iii Medouri x i ix Max IbmatLCacer_ML, iii Programming iii NDA iii Trahle iii ClassificationsH iii Medouri x iiii Medouri x iii Medouri x iiii Medouri x iiii Medouri x iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	X Bread X Bread X Bread X Bread X Consection X Consection Comment Share C Consection Comment Share C C Consection C Consection C
Aalangaru webp A 3 meloo wettu: X © Carg, et X © M.L.4 → C a celab research google can taram Lakita. M Grai © Turbée A Copy of Multiple Linear, Re Tie Edit Vew insert Runtime To Files □ X D C 3 0 00 C 3 0 00 C 3 0 00 C 4 00 C 5 0 00	ame.dp ^ x	Comment → Share ♦ €
kalamgaru,webp ∧ 1 mebo wettu, X © Garg, d. X © Mil, d → C a celab.research google.com tainun Laina. M Grail © Trable Corp. of Multiple, Linear, Re File Edi Vev Isant Runtime To Files □ X C 2 D 0 0 manufacture A	ame.sip ▲ *X ■ Height: X @ ML_mix ▲ Calle N:: X ▲ Mebour: X ■ Mebour: Medour: X ■ Medour: ■	X Bread X Bread X Bread X Connect X k Mohom X + Connect Connect Share C Connect Share C Connect Share C Connect Share C C Connect Share C
kalamgaru webp ∧ 1 meloo wetru: X © Carg, of X © MLL at → C © colab.research poople.com tainun Lakina. M Grail © Truble Copy.of Multiple.Linear, Re File Edit Vew Intert Purtime To Files □ X C C D C N Colab.research poople.com File Edit Vew Intert Purtime To C C D C N Colab.research poople.com File Edit Vew Intert Purtime To C C D C N Colab.research poople.com D C D C N Colab.research poople.com	wrs.dp * * X * Hequit, X * Maple, X * Mal_set X * Male New X * Mean * X * Hequit, X * Male New X * Male New X * Mean * Male New X * Mean * Mark * Mark * Mark * Mark * Mark * Mark * Mark * Mark * Mark * Mark * Mark * Mark * Mark * Mark * Mark * Mark * Mark * Mark * Mark * Mark * Mark * Mark * One * Text * Mark * Mark * Mark * Mark * Mark * One * Text * Mark * Mark * Mark * Mark * Mark * Dataset: * * * * * * * * Adays (umber of range enonth) * * * * * * * * Adays (umber of range enonth) * * * * * * * * *	X Bread X
kalangaru untop ∧ j meloc HTLL X © Cary, et X © MiLet → C © cochb research google con tainen tainen file fast Vew Inset Runner To File S	wm.dp xx is Heards, x is Mal_exer, x Cale is x Melow x is Melow is x is Heards, x is Mal_exer, x is Melow x is Melow x is Melow is main is Melow is Melow is Melow is Melow x is Melow is main is Melow is Melow is Melow is Melow is Melow is Melow is Melow is Melow is Melow is Melow is Melow is Melow is Melow is Melow is Melow is Melow is Melow is Melow is Melow is Melow is maintained is Melow is Melow is Melow is Melow is Melow is Melow is maintained is maintained is melow is Melow<	x Dens d X or X O Linee, li X K Method: X + O 2 2 X O I 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O O
kalangaru untip A 3 meloo writti, X © Carg, et X © Mill A → C a celab research google can tarant Lakina. M Grail © Turble A Copy of Multiple Linear, Re File Edit Vervicent Runtime To Files 2 0 00 0 C 0 C 0 C 0 C 0 C 0 C 0 C	ame.dp ▲ ************************************	v × v ×
kulangaru untop ∧ j meloc HTTL X © Cargutt X © MiLst ⇒ C © cocho research google con zerom unters. M Grai © unters File Ext Verw insert Funders R File Ext Verw insert Funders R File S ⊇ 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	wrs.dp * * X * Heapen: X * Mat_les: X Cale h: X Melow: X * Melow: X <td>X Densell X Mohoen X + A Source of the booksnapper la Comment 1: Share & Co</td>	X Densell X Mohoen X + A Source of the booksnapper la Comment 1: Share & Co
kulangaru untop ∧ j mobo writt, X © Cony, el X © Mil, el → C © colob research google con tainen taines. M Grui © vulse File Est Vew Insert Ranne To File S	wm.dp	x Densell x k Methods x +
kulangaru untop ∧ 3 meloo HTLL X © Cary, et X © MLL at → C © calab research google con teament lakins. M Grail © -talabé 6 Cop of Multiple Linear, Pa 16 Edst Vew Insert fundione 17 E Edst Vew Insert fundione 17 E Col 10 00 17 - 10 00 18	Ame.dp Ame.dp Ame.dp Ame.dp Ame.dp Ame.de Ame.	x Densell X Medicin X +
kalanganu untip ∧ 1 melon Hertii, X © Carg, el X © MiL, si → C © Carg, el X © MiL, si → C © Carg, el X © MiL, si © Carg, of Multiple, Linear, Re Tele Ed Vew Inset Rutime To C Ed X © Carg, el X © © C © © © © C © © © © C © © ©	<pre>smalp ^ ***********************************</pre>	x Bread X Connect X Some X Connect X Some X X X X X X X X
kalangaru untip ∧ 1 meloo MPTIL X © Carg, el X © M LL9 → 0 e celab research google.com tationa tudrita. M Grail © Turbée 16 Ed Vev insert Burtine To 16 Cargy. of Multiple_Linear.Re 17 Kes □ X 10 Ca 10 Q 10 Ca 10 Q 10 Carge C	<pre>smith smith smi</pre>	X Dens # X Dens # X X





If you observe clearly, here we are just noting down the hospital number of hours, just open this Google collab notebook after doing that one, just connect, shift enter so that particular, connect to the Google drive, it will ask you. Suppose it is mine. We are mounted at this particular drive, just refresh this one.

(Refer Slide Time: 31:21)





Maximum Likeliho M Gmail 💶 YouTube ♀	Maos Elli Breast Cancer. H., Elli Programming Elli NDA 🛛 YouTube 🔘 Classification-of-, D Medical	I Data Scie k BraTS2020 Datas × EII Other Bookman
Copy_of_Multiple_Linear_Regr	ression.jpynb 🌣	🗖 Comment 🏛 Share 🌩 🛞
Files 🖸 🗙	+ Code + Text	V BAM
	Double-click (or enter) to edit	
K M K M String_Screen_Record M Strint_Coding M TransUnet	flyport likraties import maps as p import maps as p import maps.likes, point as plt from Alternationse, point linearNegreesion import seabort as uss I	
WEEK_7_NPTEL_DEMO Walmart_Talk Week_5_NPTEL_Demo Week_6_NPTEL_Demo	<pre>[] fload in Data df = pd.read_exeel('/content/drive/hpDrive/mptel_linear_regression/Hospital [] df.shape</pre>	i_dataset.xlsx')
curium_RKsquare	(17, 4)	
Copy of Multiple Linear.		
Copy of Multiple_Linear	[] df.head()	
Copy of Multiple_Linear Hospital_dataset.xisx websites 1200pxHIT_Madras_Logo	[] df.head() Xray BedDays Length Hours	
 Types_read_gigtsstati Copy of Multiple_Linear Hospital_statest.x5x websites 1200pvifT_Madras_Logo 3356810104309.pdf 480.mov 	[] df.bmdd() Erray BedDays Length Nours 0 2445 47232 445 56552 4 000 77 000 76 000 0000	
 myneed (Signalastin) Coptal_statest (Inter) Hospital_statest (Inter) Hospital_statest (Inter) 1200pxHT_Madras_Lopo) 3356810104309.pdf 435essment.gform 	I df.head() tray bedrays Leagth 0 2463 472.82 445 1 2046 1337.35 6.92 2 0040 1337.35 6.92	
Improc. And State State Topics and State State Topics and State State Topics and State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State	I df.head() trag belays Leepth Bours 0 245 472.92 4.45 566.52 1 204 130.75 6.92 668.2 2 3940 630.25 4.85 1033.15	
Toyle, and Joyradian Corps Market, Linear, Linear, Hospital, dataset, take Hospital, dataset, take T200pe/17, Madrise, Lopp, 3356510104309 pdf 400 nov Assessment gform Assessment of cons Assessment 2() docx Assignment 2()	t dt/sbays keysts fours 0 2463 472.02 4.65 566.52 1 2046 1320.75 6.02 666.82 2 20440 6320.55 4.28 1033.15 3 645 640.32 3.29 1033.15 4 5723 1407.00 5.50 1613.27	





→ (i colab.research.google.com/d	rive/1q-uCi	AiGSyFpW	QPg6QZaHi	Wyf6rw161	N#scrollTo:	wN9xnKoClxWW	🗅 🖈 🖬 🕼 💱
laximur	n Likeliho M Gmail 🖪 YouTube 🤇	Maps 🗎	Breast_Ca	icer_Hi []	I Program	ning 🗎 N	🗛 🖸 YouTube 👩 Classification-of 🖸 Medical Data S	icie k BraTS2020 Datas × 🗎 🛅 Other Bookma
) <mark>4</mark>	Copy_of_Multiple_Linear_Reg e Edit View Insert Runtime Tools	ression.iq 8 Help S	oynb ☆ aving					🗖 Comment 🙁 Share 🌣 🎼
Files		+ Code	+ Text					✓ RAM L · / Editing ∧
ß	6 M 5	: 0	2 3040	620.25	4 28	1033 15		
		C.	14 34703	12446 33	10.78	11732 17		
	n 🖿 RK		10 13313	2912.00	5.88	3571.89		
	Samsung_Screen_Record		7 5959	1639.92	5.15	2160.55		
	Stunts_Coding		16 88533	15524.00	6.35	18854.45		
	Vaccine_Details		11 10771	3921.00	4.88	3741.40	*	
	WEEK_7_NPTEL_DEMO		3 6505	568.33	3.90	1603.62		
	Walmart_Talk		0 2463	472.92	4.45	566.52		
	Week_6_NPTEL_Demo		5 11520	1365.83	4.60	1613.27		
	curium_RKsquare		15 39204	14098.40	7.05	15414.94		
	Im nptel_linear_regression		12 15543	3865.67	5.50	4026.52		
	Hospital_dataset.xisx							↑↓ ○日☆ (] ■ :
	websites	0	test					
	1200px-IIT_Madras_Logo		Xrav	BedDays	Length	Bours		
	480.mov		1 2048	1339.75	6.92	696.82		
	Assessment.gform		6 5779	1687.00	5.62	1854.17		
	Assignment 2 (1).docx		8 8461	2872.33	6.18	2305.58		
	Assignment 2.docx		9 20106	3655.08	6.15	3503.93		
Disk III	70.73 G8 available		12 38104	76R4 10	7.00	10343 81	d at 11-09 DM	

→ C (i colab.research.google.com/dri	ve/1q-uCkAiGSyFp/WQPg6QZaHiVvf6rw16YN#scrollTo=8ca23896	ê x 🛪 🖬 🕼 🏌
taximum Likeliho 🕅 Gmail 🔲 YouTube 💡	Maps 📄 Breast_Cancer_H 🗎 Programming 🗎 NDA 🖸 YouTube 🔘 Classification-of 🖸 Medical Data	Scie k BraTS2020 Datas » 🗎 🔠 Other Bookman
Copy_of_Multiple_Linear_Regr File Edit View Insert Runtime Tools	ession.jpynb 🌣 Help All.changes.saved	🗏 Comment 🚢 Share 🌣 🎼
Files 🖸 🗙	+ Code + Text	✓ RAM III → Fediting A
ø 🖬 🖬 🖬	4 5723 1497.60 5.50 1611.37	
Ca RK RK Samsung_Screen_Record	+ Uode + test V foresto x and y values for training\\\\\ X_train = train['Kray', 'BedDays', 'Length']] y_train = train['Boors']	↑↓∞ □ ‡ <u>0</u> ∦:
Stunts_Coding TransUnet Vaccine_Details	+ Code + Text () print(X_train.shape) print(y_train.shape)	
WEEK_7_NPTEL_DEMO Walmart_Talk Week_5_NPTEL_Demo	(11, 3) (11,)	
Week,6,NPTEL_Demo curium_RKsquare motel_linear_regression	<pre>[] #Create x and y values for testing\\\\\ X_test = test[['Xray','BedDays','Length']] y_test = test['Bours']</pre>	
 Copy of Multiple_Linear Hospital_dataset.xlsx websites 	<pre>[] print(X_test.shape) print(y_test.shape)</pre>	
 1200px-IIT_Madras_Logo 3356810104309.pdf 480.mov 	(6, 3) (6,)	
Assessment.gform Assignment 2 (1).docx	[] #XRays vs. Hours Regplot sns.regplot(x='Xray',y='Hours',data=train)	
Assignment 2 (2).docx Assignment 2.docx	<pre><mstplotlib.axessubplots.axessubplot 0x7f14fd06dd90="" at=""> 30000 </mstplotlib.axessubplots.axessubplot></pre>	
10.73 00 available	Bs completed at 11:08 PM	• :











→ C	ve/1q-uCkAiGSyFpWQPg6QZaHR/vf6rv16YN#scrolTo=mb-NJBinNEGv	ů.	* *	06	Y
Maximum Likeliho M Gmail 🖸 YouTube 💡	Maps 📄 Breast_Cancer_H 📄 Programming 📄 NDA 🔹 YouTube 💭 Classification-of 🔹 Medical Data Scie	RaTS2020 Datas	* 🖽	Other Bookma	497
Copy_of_Multiple_Linear_Regr File Edit View Insert Runtime Tools	ession.jpynb 🔅 Help All.changes.saved	Comment	👪 Share	¢ 🕻	}
Files 🗂 🗙	+ Code + Test	V RAM Disk	- 1	diting /	`
	241 y_pred				
Ca → Ban RK	array([628.79444995, 1639.11282275, 2745.13575474, 4048.58084533, 8508.19685434, 1489.92211201])			0.*.	
Samsung_Screen_Record	O k_test	T V 0	∞цџ		1
	C 1 696.42 6 1854.17 8 2205.53 9 550.0.30 13 10043.41 4 1611.17 Hamer Hours, dtype: float64				
Corlum, RKsquare Imptel_linear.regression Copy of Multiple_Linear	[] from sklears.metrics import mean_squared_error, mean_absolute_error, r2_score mean_squared_error(y_test, y_pred) r2_score(y_test,y_pred)				
Hospital_dataset.xisx	0.9370191553482593				
1200px-IIT_Madras_Logo 3356810104309.pdf	[] r2_score(y_train,y_train_pred)				
480.mov Assessment.oform	0.9968633888240737				
Assignment 2 (1).docx	<pre>[] print('The R'2 value is:', lm.score(X_test,y_test))</pre>				
Assignment 2 (2).docx Assignment 2.docx	The R'2 value is: 0.9370191553462593				
- No.13 00 avenable	✓ 0s completed at 11:10 PM				





→ C	e/1q-uCkAiGSyFpWQPg6QZaHIVvf6rw16YN#scrolTo=kb1s4egQed8R	ê 🖈 🖬 🕼 📢
Maximum Likeliho M Gmail 🖪 YouTube 💡	Maps 📋 Breast_Cancer_H 📋 Programming 📋 NDA 🖪 YouTube 🧿 Classification-of 🖬 Medical Data Scie	k BraTS2020 Datas × 📋 Other Bookman
Copy_of_Multiple_Linear_Regre	ssion.ipymb ☆ Help All.changes.sexed	🗖 Comment 🙁 Share 🌣 🎼
Files X	+ Code + Text	✓ RAM IIII ▼ / Editing ▲
	[] 0 4.025927 5 -0.02177 15 -1.464737 12 -0.247473 Kamer Hours, dtype: float64	
Samsung_Screen_Record Sturts_Coding Travel last	<pre>[] y_test_norm = (y_test - y_train.mean())/y_train.std() y_test_norm</pre>	
	1 -0.05449 6 -0.43431 9 -0.53458 1 -0.57458 1 -0.57454 4 -0.46424 Rmmer Hours, dyper float64	
Im nptel_linear_regression Copy of Multiple_Linear Hospital_dataset.xisx m websites Notice	Ir = LisearRepression[] Ir.fit(X_train_norm,y_train) y_train_norm gred - Ir.predict(X_train_norm) y_test_norm_pred = Ir.predict(X_test_norm)	
 3356810104309.pdf 480.mov 	<pre>[] print("?rain r2:", r2_soore(y_train,y_train_norm_pred)) print("?est r2:",r2_soore(y_test,y_test_norm_pred))</pre>	
Assessment.gform Assignment 2 (1).docx Assignment 2 (2).docx	Train r2: 0.9948433888240737 Test r2: 0.9370191553482591	
Assignment 2.docx Disk 70.72 GB available	<pre>[] plt.scatter(y_test,y_test_norm, label = 'Test Data') plt.scatter(y_train,y_train_norm,color = 'red', label = 'Train_Data')</pre>	
	✓ 0s completed at 11:10 PM	• >


→ C iii colab.research.google.com/d	e/1q-uCkAiGSyFpWQPg6QZaHiVvf6rw16YN#scrollTo=PQDF6vwmhopD	0 x x 🛛 🕼
Maximum Likeliho M Gmail 🔲 YouTube 🤇	Maps 📄 Breast_Cancer_H 📋 Programming 📄 NDA 🖪 YouTube 🔘 Classification-of 🖬 Medical Data Sc	sie 🗼 BraTS2020 Datas × 🔛 Other Bookma
Copy_of_Multiple_Linear_Reg	ssion.jpynb 🏚	🗏 Comment 🔐 Share 🏚 🌘
Files 🛄 🗙	+ Code + Text	✓ RAM L · Editing ✓
ø 🛛 🖬 🕯	[28] Xray BedDays Longth 🚀	
DI	1 -0.761154 -0.666599 0.627506	
> 🖿 RK	6 -0.610923 -0.606965 -0.047181	
Samsung_Screen_Record Stunte Codion	8 -0.502930 -0.403403 0.243454	
TransUnet	9 -0.034036 -0.268979 0.227884	
Vaccine_Details	13 0.613760 0.422941 0.669026	
WEEK_7_NPTEL_DEMO	4 -0.613178 -0.639491 -0.109460	
Week_5_NPTEL_Demo		
Week_6_NPTEL_Demo	<pre>y_train_norm = (y_train - y_train.mean())/y_train.std()</pre>	
curium_RKsquare	Y_train_som	
Ocov of Multiple Linear	C+ 2 -0.752851 14 0.920351	
Hospital_dataset.xisx	10 -0.355822 7 -0.576539	
• 🖿 websites	16 2.034193 11 -0.329312	
1200px-IIT_Madras_Logo	3 -0.663636	
480.mov	0 -0.825827 5 -0.662127	
Assessment.gform	15 1.496293 12 -0.284723	
Assignment 2 (1).docx	Name: Hours, dtype: float64	
Assignment 2 (2).docx		↑↓∞目¢() ≣ :
Disk 70.72 GB available	y_test_norm = (y_test = y_train.mean())/y_train.std() y_test_norm	
	Os completed at 11:16 PM	•









→ C i colab.research.google.com/d	rive/1q-uCkAiGSyFpWQPg6QZaHIVrf6rw16YN#scrollTo=NcGAk13VjaRc	Ü 🛠 🛪 🛙 🌔 🍾
Masimum Likeliho M Gmail 🖸 YouTube 🕈	🕅 Maps 📋 Breast_Cancer_H 📋 Programming 🗎 NDA 🖸 YouTube 🖸 Classification-of 🖸 Medical Data Scie.	🗼 BraTS2020 Datas × 🗎 🛅 Other Bookmarke
Copy_of_Multiple_Linear_Reg File Edit View Insert Runtime Tool	ression.jpynb 🌣 8 Help Allchanges.awed	🗖 Comment 👫 Share 🏚 🚯
Files 🖸 🗙	+ Code + Text	V RAM Disk - V Editing A
Ø Ca 10 00	<pre>plt.legend()</pre>	
RX Simung_Screet_Recod Simung_Screet_Recod Watch, Coding Watch, Coding Watch, Colling Wetk, St. NPTELDEND Watch, ShPTELDEND Watch, ShPTELDEND Wetk, ShPTELDEND Codin, Micquite codin, Micquite codin, Micquite codin, Micquite codin, Micquite codin, Micquite	2000 1000	
Prospara, carasset xisk websites 1200prk1T, Madras, Logo 3356810104309.pdf 480.mov Assessment gform Assessment 2 (1) dow	[1] X train_siname * (Krain - X_rain.nsi())/(Z_rain.nsi() - X_rain.nsi()) X_test_iname * (Lest + X_train.nsi())/(Z_rain.nsi() - X_train.nsi()) Ir_miname. (Licent Agreeming) y_train_prod_iname * Ir_miname.prod(ict(Irrain.nsin) y_train_prod_iname * Ir_miname.prod(ict(Irrain.msine) y_test_prod_iname * Ir_miname.prod(ict(Irrain.msine) primt('usain_fi', rd_score(y_train.prod(int(Irrain.msin)) primt('usain_fi', rd_score(y_train.prod(int(Irrain.msin)))	
Assignment 2 (1).00cx Assignment 2 (2).docx Assignment 2.docx Disk 70.72.68 available	train r2: 0.9968633888240737 test r2: 0.937019155348259	
	6 De completed at 11/04 DM	



0 em Home





There you can see the entire trip where the folder name is NPTEL Linear Regression Book, NPTEL underscore linear underscore. From here, I just have to first import all these libraries where from the scalar, I am importing the linear regression model, Matplotlib for visualization, and this pandas will be for data frame analysis, Seaborn is also like more or less like a plotting library only.

Here, I have read the data. If you observe, I am just taking the shape of this particular file df.head, it will generate the first five points. The shape of this entire data frame is 17×4 ,

that means 17 rows and 4 columns. The last, Column 4 hours indicates the target variable. These first three variables indicate the independent variables or features.

Next, is just I am finding out how exactly this hours is related to hours, similarly, bed days is a correlation with this particular independent, each individual variable with the hours, I am just checking out. Here, I have imported the train test split, where as I have told you, I am just here splitting the data into training and testing only. There is no part of validation here in this particular problem.

After splitting, you can see the length of the train is 11, because I have used 30% is for training, sorry, 70% training and 30% is for testing, you can see here. This is nothing but the test data. Just, I am taking all these first three columns of into the x variables and last column into the y variable, x_train, y_train, just check out the shape.

Because I am dealing with the x_train, these are the things you have to focus. Similarly, I am just separating out the extract in x_test and y_test. This is nothing but the shape (6,3). They are just correlation plots, how exactly x beds are related to hours, similarly, how exactly bed days is, all this data is related to particular month only. You can observe that, most of the times they are linearly correlated, I mean closely correlated, high correlation.

Instead of generating this individual diagrams like this, here there is a command where you can generate all the things like this. It takes some time, just wait. This, in terms of values correlation, values correlation coefficient, correlation coefficient, basically, it indicates how exactly two variables are related to each other.

Now, coming back to importing this particular linear regression model. I am just writing down here, this is the main important thing, linear regression has been imported using this function. From a scalar library dot linear models, import linear regression. That linear related regression object, I am using right now, where you can see like this.

Once this is done, once the object is taken, lm.fit, this is the function we will have, x_train gamma, y_train, and I will obtain the R² value for this one. x_train, y_train, x_test gamma, y_test. They are all mostly closely related to each other. We can say that one from these two values.

Here, I am just doing the prediction errors, what is the y_prediction and y_test. This is just basically using several things, I have just extended this task, like I have mentioned earlier, mean square error can be calculated as a metric, even mean absolute error can be calculated as a metric.

Here, this is the, main thing is, here, you have to focus, once the object is taken, just fit the model and obtain the score. Here, we are just obtaining the score for original trained data and test, trained data. Similarly, I am focusing now on x_test and y_test. If you observe here, both value, training value is more, even R², sorry, R² score of the test data is also more.

That means more or less, they are equal. So, we can say that model is good only. But here in this particular problem, you have used only 17 points. When we discuss next problem, you will get to know very well. These are just, you need not bother about all the remaining things. I am just extending the task like, I am just predicting the values here.

Here, I have taken directly R^2 score value, here, I am just taking the enter, of, if I give you x_test as an input, this is how the values are. y trained predict, also I have taken here. This is our test data, this is after fitting the model, I am just predicting the x trained values also. These are nothing but y predict value, y_test value, you can see here, the original value is 628 comma, my out is testing, test data, this is how the value is.

16939 means 1854, here. Like, 10, so last one if you take, 1611, here is 1489. This will, at least more or less close to the original values. This is good enough. This is like, mean square error, mean absolute error and R^2 score, I am just directly importing these functions instead of using this particular formula like lm.score, which I have used here. This is another way of doing this thing. This is just an extension, no need to bother.

Till now we have done, what I have done is just I have taken the data and I have splitted the data into x_train and y_train. Similarly, x_test and y_test. After doing that, and I have fitted the model, after fitting the model, I have found out the R^2 score value, after finding out this R^2 score value.

And even I have experimented with the mean square well, mean square error value and mean absolute error value also, but does not make any sense, not necessary to use so many things. You can take a single metric and you can comment on. Here, mean absolute error and mean square error should always be small, we will expect, whereas R^2 square value will remain in 0 to 1, but we expect the value to be 1, near to 1. I have just extended that one.

In most of the cases, in general, the data set, having several variables, suppose in this case we have x-rays, bed days and length. If you observe the data, like this here, see, all these data points, lengthwise, these are very small, actually, compared to the remaining variables. To let the model, not to get confused too much, we will bring all the columns to here following a particular distribution, like normal distribution.

So, we will bring the, all the columns of the features to follow a particular normal distribution. Normal distribution is nothing but standard deviation is having plus or minus 1, where this particular mean value should be 0. To even, to do that one, we have directly somehow, some libraries, from the library we can import that one even, see here. Standardize, like $\frac{x-\bar{x}}{\sigma}$. This is actually, this is the formula we will use, generally, for standardization of data.

Like suppose x, I have $\frac{Xi-\bar{X}i}{\sigma}$. In other words, we can say, $Xi = \frac{Xi-\bar{X}i}{\sigma}$, or $Xi = \frac{Xi-\mu}{\sigma}$. This is how we will have. Even to do this one, we have something like a standard scalar function is there. Similarly, min max scalar is there. Standard, scalar will have minus 1 to plus 1. We will bring the data to this value, whereas here, min max scalar, we will we will convert each and every column variable to values between 0 to 1. This is how we will do.

For that one, here I have just done the manual implementation, like $\frac{x-\bar{x}}{\sigma}$. See here, all the values will range between minus 1 to plus 1 only, even this one. No, sorry, σ value is plus 1, standard deviation, like standard normal distribution in the sense, like this one.

Oh sorry, I am sorry, suppose if this is how the data, this is 0, you will have up to plus sigma, minus sigma plus 2 sigma, minus 2 sigma, like this data will distribute. I am sorry,

I just told minus 1 to plus 1, that is not the case. We can say that mean is 0 and sigma deviation is 1. That is the case. That is good.

Just manual implementation, they have done. Now coming back to, let us check. Standardization has been done. What we are doing here is without standardization, we have done, similarly, with standardization, we are doing here. Since the, here, the data points which we are using is very less data points like 17 rows and only 4 columns but if you, the data set is more, the data point is more, you can see that particular difference.

Always this, normalization will always help to converge the faster, converge the model first, and at the same time, very well. Just, we have done the earlier things only, just, I am doing r2 square is not different, because I just did not run this particular program, I think. From r2, where it is, see, here, I did not run this one. That is why problem occurred. Standardization has been done for the training test data, training data.

Always remember, while doing this normalization, while doing this normalization, whatever, suppose I am doing the normalization for x_data, like trained data, we will compute mean and standard deviation for each and every variable, and I will explain as mu by sigma. I will do like this. Now, comes to test data $\frac{Xi-\mu}{\sigma}$.

Use the μ and σ of what we got, now when it comes to standardization, when comes to standardization, standardization, suppose I am doing the standardization for x_train data, we will use like $\frac{Xi-\mu}{\sigma}$. This μ and σ are computed from the training data only, data.

Assume that I am dealing, I am talking about the standardization for a particular variable like *Xi*. This *Xi* is a variable where number of data points I have is i is equal to 1 to m, and among these number of data points, like 1 to m data points, I am just focusing on particular variable of particular feature only.

Now, I have to standardize this data, like this formula, I will use, like $\frac{Xi-\mu}{\sigma}$. μ is nothing but $\bar{x_i}$ where σ is nothing but the standard deviation, how we compute normally. This is how we will do the standardization for the particular variable in the training, while standardizing the training data. Now, it comes to test data standardization, where we will have only the same variable, I am talking about, like $\frac{Xi-\mu}{\sigma}$, use the same mean and standard deviation that I have used, are calculated for the training data. That is the basic difference. Please keep this point in mind.

Whenever we are doing standardization, while doing the standardization, when we are dealing with the training data to compute the standardization, we will use this formula like $\frac{Xi-\bar{X}i}{\sigma}$. Similarly, for the test standardization, we will use the same μ and σ . That means, we are not going to compute the new mean and sigma for this test data. Please keep that point in mind.

Even here, there are some functions like standard scalar or min max scalar, these functions are available directly even while doing these things, you just have to be careful how to use them.

After doing normalization, again I have run the code. This is how the values are. If you observe clearly, there is no much difference, because in general the difference you can see, but here I have used the basic, very less number of data points and very less number of, that is where this problem is happening. So, in total, just I have just predicted the y actual data and predicting that like very y_test and y_predicted, just computed here, something like this, y_test and y test-train scatter plot for these, the plots I have done, scatter plot, you can observe. That is not that difficult.

Here, I have used another min max standardization. I have just, after doing this entire thing, you can even see the, those coefficient values also, you can see, like this, using this function, like lm.intercept, something like this. Just go with this code, you will easily understand what exactly is going on.

In total, as a summary, I can say that you should have to be familiar with NumPy library, pandas library, matplotlib library, Scikit-learn library for machine learning and the deep learning for PyTorch and TensorFlow. That is it.

(Refer Slide Time: 46:54)

Linear_Ridge_La		ning 🛅 NDA 🚺 YouTube 🗂 Class	ification-of 🖪 Medical Data Scie	BraTS2020 Datas	* Bit Of	er Bookm
File Edit View Insert	isso.ipynb 🔅	ng 🔲 nan 🧧 nanar () ran			•• Char	
	Runtime Tools Help All changes saved			Comment.	A Share	÷ 6
+ Code + Text				Reconnect	• / Edi	ing
[] from google.col drive.mount('/c	lab import drive content/drive')					
Drive already m	sounted at /content/drive; to attempt to forcibly	y remount, call drive.mount(")	/content/drive", force_remou	nt=True).		
Disase download the	lata					
Kaggle Dataset: Melbo	ata purne housing datset					
-	•					
import numpy as import pandas a	as pd					
import matplot1 import seaborn	ib.pyplot as plt as sms		I			
Loading Datas	sset					
[] dataset = pd.re	<pre>rad_csv('/content/drive/MyDrive/Melbourne_Linear_</pre>	Regression/Melbourne_housing	FULL.csv')			
Exploratory Da	ata Analysis					
[] dataset.shape						
(34857, 21)	✓ 0s	completed at 6:31 PM				
TEL_Linear_Regression, x	Colab Notebooks - Google X A Melbourne_Linear_Regres	K X Melbourne_housing_FULL X	CO Linear_Ridge_Lasso.jpynb X	k Melbourne Housing	Market X +) (î
TEL_Linear_Regression X C in drive.google. imum Likeliho M Gmail	Colab Natebooks - Googin X Mebourne_Linear_Regres com(drive)folders/hwWRG-pHYHED-3H4SgCu6BAgno2tFVww NotiLibe Value Maps Breat_Carcer_H Programm	x Ambourne_housing_FULL x w ing Ell NDA YouTube O Class	CO Linear_Ridge_LassoJpynb X	k Melbourne Housing (k BraTS2020 Dates	Marke: x + 1 ☆ ★ . × 1 Ott	ם 🕼
TEL_Linear_Regression_X C a drive.google. imum Likelihe M Graal Drive	Colla Networks - Googe: X A Methourne_Inver_Repre- comptitue[locates/hw18G-ph114FD_3445g_0/d884gm02FIVw Toulible 9 Maps ::::::::::::::::::::::::::::::::::::	X 🔐 Melbourne_Nousing_FULL X w	CO Linear_Ridge_Lasso.jopmt x	k Melbourne Housing (k Brat S2020 Datas ()	Marke: × + 1: ☆ ★ . × Ell Ori	er Bockr M
TEL_Linear_Regression X C a drive.google. imum Lävelho M Grual Drive New	Lote Network-Stopp X ▲ Metourn_NetworkSpotBAgno21FW contributions-Stopp X ▲ Metourn_NetworkSpotBAgno21FW volume ● Mays ≧ Metournet_Net. ≧ Program Q. Search in Drive My Drive > Mebournet_Inear_Regression	X Mebourne_Nousing_FULL X w sing INDA D YouTube () Class	C Linear, Ridge, Lasso Jopen X ification-of C Medical Data Scie The second seco	k Mebourne Housing (k Bruf S2020 Datas.)	Market x + 5 ☆ ★ . * ⊞ Od Ⅲ ④Ⅲ Ⅲ 〔	H C
TEL_Linear_Repression_X C is drive.google. imum Likeliho M Graal Drive New Priority	▲ Colle Notebooks - Boogn X ▲ Methoure_Liver_Tays ■ Notable 9 Amount - Starting -	x i Hebbarne, Jousing JULL x w I Nox i Youfude O Class - Owner Owner	Inter_Ridge_Lasso.laym X iffcation-of Medical Data Scie 22 22 Last medified	k Melbourne Housing (k Brat S2020 Datas () () () () () () () () () () () () ()	Marke: × + 5 ☆ ★ . * En Od 	er Booka M
TEL_Liner_Regression X C a drive.google. imm Likelsho. M Gmail Drive New Priority My Drive	La Cale Nationas- Group: X La Mathoure, Javer, Javer, controlling/folders/InViNG-pHTMFD-3H458/pU88-BytU8Fb/w Tantale Was: Ell Insect_Cancer, H. Ell Program Q. Search in Drive My Drive > Melbourne_Linear_Regression Name ↓ La Mathoure, Journing, FULL.cor	x i i lettourre, Jousing FULL x w i i i NDA i i invitae () Cass v Outroer Outroer me	Item, Ridge, Lasso Jayne X ification-of Medical Data Scie 22 22 Last modified Sep 20, 2019 me	k Melbourne Housing (k Braf 52020 Datas) () () () () () () () () (Market x + 5 ☆ ★ . * 10 Ori 	er Booka M
TEL_Linez_Begression X C in drive.google. imm Likelina. M Graal Drive New Priseity My Drive Shared with me	Contentinences-cheap X Contentinences-c	x i Hebore.Josing.FUL X m m i NDA i Torlide () Cass - Opener me me	CO Liver, Ridge_Lasso.layer: X ification-afC Medical Data Scie ZZ Last medified Sep 20, 2019 me 6.37 PM me	k Melbourne Housing (k Braf S2020 Datas	Market x + 5 ☆ ★ . * ⊡ Ot Ⅲ @ 1] Ⅲ @ (er Bookar
TELLENER Regression X C G G G G G G G G G G G G G	Come Nationals - Googe X	x i teleborne.Jossing.FULL x m ten i NDA i turlide () Cass u U U U U U U U U U U U U U	Co Linear, Edge, Lancologiet X Antaria-e-A D Media Lina Science Control Cont	k Melbourne Housing k Bruf S7020 Datas 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Marker x + 5 ☆ ★ . * 10 00 	I C
TEL Liver Regression X C a drive google. Imm Likeliho M Gmail Drive New Pricelty My Drive Shared with me Recent Starred	Color Network-Shopy X Color Network-Shop X Color Network-Shop X Color Network-Shop Set Net Social Set Network Color Network Set Network Clear Set Network Not Network Set Network Clear Set Network Not Network Set Network Method Network Set Network	x C thebrown-Jossing FULL X w w m the C to the theorem - Jossing FULL X w w m m the C to the theorem - Jossing FULL X w m the C totte - Jossing FULL X w m t	Co Linear, Englandiagent X Statuster-de, Co Medical Data Science Control Control Control Control Control Control Control Control C	k Melbourne Housing () () k Heir Stord Datasat. () () () () <	Markeri x + 5 ☆ ★ . * == ou :::: @ 1] :::: @ (I C wer Bookor
TEL Liver Appression X C C a drive poople imum Likeliha. M Graal Drive New Priority Ny Drive Shared with me Recent Stared Trash	Color National - Googe X	x C teleborne.Jossing FULL X v v v e g Ex NoX Teleborne.Jossing FULL X v v v v v v v v v v v v v v v v v v v	CD Linear_Engle_Lanabiagent X Status Madeata basis Science Status Science Laar mediefed Science Science Science	k Melbourne Housing (() () ()) (Marker: x + 5 ☆ ★ - * 1 00 111 @ 111 111 @ 111 111 ()	E Color M
HLLINNEr, Skryweiter, K. Y. C & three georgie. Immer Markhas. Mr Grant Drive New Priority Nay Drive Stared with me Recert Stared Starege Broop	Color National-Googe X Markanne, Jewer, Javer Control National - Server X Control National - Server X Control National - Server X Search in Drive Mose is Insert, Cancer, K. Is Program Q. Search in Drive Mose is Insert, Cancer, K. Is Program My Drive > Mebourne_Linear, Regression Name Motormal, National, RNLL Mathematic, Nation, Nation, RNLL Mathematin, Nation, R	x C thebrowner. Journal of Cases reg En XOA To Truther C Cases Dureer Dureer reg reg reg reg reg reg reg	Co. Linear, Jingka, Janacolym X Alarian Media Linear Societies Sp. 202, 2019 me Sp. 202, 2019 me	k Methourne Housing () () k 8-4751200 Datas. () () () () () () () () () () () () () () () () () () () () ()	Market x + 5 ☆ * - * 1 00 111 @ 111 111 @ 111 111 @ 111	I C
HELINARY, SAYENEN X X C à three google, men thaths. M Gmail Drive Postry Postry Postry Standa akh ne Recet Standa akh ne Standa akh	Color National-Googe X Markanne, Jerrer Z. Markanne, Jerrer Z.	x i telebore.Josing.FUL X m ng i NDA i tulide () Cass U U U U U U U U U U U U U U U U U U U	C Linear, Ringe, Lancologiest X Active-ori- C Last modified Sep 20, 2019 me C 2019 M me 1037 PM me	k Metsourne Houseing k BrufS1000 Dates. 0 k BrufS1000 Dates. 1	Market x + +	I C
TELINAR JANEARS IN A CALL AND A C	Louis National-Booler, X Markanov, Javen,	x i telebore.Josing.FUL X w m i NAA i tolide () Cass - Oeser me me me me	Co Linear, Ringer, Janoologeni X Active-Active - Control Con	k Metourse Housing k III-STOTO Guise	Market x + +	I C
TILLING Suppose. X / C & the google inner Leiths. M Grad Drive New Pioto Pioto Pioto Baard	Louis National-Booley X Landones-Booley X Methournes-Linear/Regression Methournes-Booley X Methournes-Linear/Regression Methournes-Booley X Methournes-Linear/Regression Methournes-Booley X Methournes-B	x i telescrete showing FULL x w Desired in No. I telescrete showing FULL x Desired in telescrete showing FULL x Telescrete showing FULL	Co Linear, Edga, Janobijevi X Altarite-se D Medical bats Science Control Control Control Control Control Sep 20, 2019 me Control Control Control Sep 20, 2019 me	 k Metourse Housing k HeritST020 Doese. € File store 4.8 M6 1.3 M6 7 M8 1.4 M0 33 ×8 	Market x + 5 ☆ ★ - * = = 0 01 === (M C
MLLInew Shyrewis: X X C is thin google imme Lieffs. M Grail Drive New Protory My Drive Board with me Recet Stand Draw Board Draw Draw Board Draw	Lobe Network-Shopp X Lobe Network-Shopp X Lobe Network-Shopp X Lobe Network-Shopp Set	x C thethorms-housing FULL x w ing E NAX P Younder C case 	C Linear_Engle_Linear by M X infactor-ek-, C M Index Deas Science C Lan modified Sep 20, 2019 me 4.22 PM me 1.0527 PM me	Ick Methodarse Houseling Ick Ick Investigation Ick	Marter x + 5 ☆ ★ 1 0000 1 0000	Contraction of the second seco
TILLING JAPPING: X / C (a thing popple imme Lickins. M (anal Drive New Pooly Pooly My Drive Staref athine Staref athine Staref athine Staref athine Staref athine	Contentineous-choop: X Methodres_theore_theore_theore_theore_theore_theore_theore_theore_theore_theore_theore_theore_theore_theore_theore_theore theore t	x C thethorms-hosing FULL x w ing Ex NoX To Younder C case - Ouncer - me - me - me - me	CD Linear_Engle_Lanabiagent X Statute-al-, B. Makata bata skon. Statute-al-, Statute-al-, Statute-al-,	k Motourne Housing k Institution Ne and File size 4.8 MG 1.3 MG 7 MS 1.4 MG 33 KB		I C
PTELINAE JAgenes. X // P C is thirs google. Drive New Planty Plan	Lobe Network-Shopy X Mosone_Linear_Network Control-Network_Sectors_Sectors_Network Control-Network_Sectors_Sectors_Network Mose Mose Insect_Concer_Net Insectors My Drive > Mebourne_Linear_Regression Network_Nonsing/RUL Mebourne_Nonsing/RUL Mebourne_N	x C C C C C C C C C C C C C C C C C C C	Co Linear, Jinga, Jano Japon X X Tactator etc. D Motor Data Science Control Control Control Control Control Control Sign 20, 2019 me Sign 20, 2019 me	k Motoure Housing k IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		M (

This is the new example which I told you earlier, that which it involves both overfitting problem and even here we will use this cross validation for the hyper parameter tuning. In this, for the hyper parameter tuning, mostly here, we are using, apart from just take that linear regression function, we are going to use something, two more functions like ridge regression and lasso regression.

Theoretical part is, according to your convenience you can browse for it, it is not that necessary, but coming, let me show you the implementation. I have already given you

this particular entire data set or this particular folder. I have given you. Just upload this particular folder to your drive, and just to open this linear ridge, lasso regression iPython notebook.

🛆 NOTEL_LInear_Regression: X 💧 Colab Natebooks - Google X 💧 Melbourne_Linear_Regress: X 🖶 Melbourne_Nousing_FULL X 🚾 Linear_Rdge_Lasso.laynb X 🗼 Melbourne Housing Marke: X 🛉 ← → C
i colab.research.google.com/drive/1z-1WrmRrd96f-8ZGd5HaPuv2nnrbw6U#scrollTozijerb92cJqdlj 0 x * 🛛 🚱 🛬 Maximum Likeliho. M Gmail 🔯 YouTube 🍳 Maps 📄 Breast_Cancer_H.. 🗎 Programming 🗎 NDA 🧧 YouTube 💭 Classification-of-.. 🖬 Medical Data Scie.. 🗼 BraTS107 CO Linear_Ridge_Lasso.ipynb ¢ 🐔 File Edit View Insert Runtime Tools Help All changes saved 🗂 🗙 🛛 + Code 🕹 + Text = Files e to enable file Q C0 0 from google.colab im {X} t/drive; to attempt to forcibly remount, call drive □ Drive already mounted at /conten D ↑↓⊙**□/**↓ ▮ : Please download the data Kaggle Dataset: Melbourne housing datset [] import numpy as np import pandas as pd import matplotlib.pypl import seaborn as sns lot as plt - Loading Datasset [] dataset = pd.read_csv('/con MyDrive/Melbourne_Linear_Regression/Melbour - Exploratory Data Analysis $^{\circ}$ [] dataset.shape ۶., ✓ 0s completed at 6:31 PM • x melbourne.zip kalamgaru.webp ^ Show all X A NPTEL Linear, Begression: X | A Colab Natebooks - Gooder: X | A Melbourne Linear, Regnes: X | A Melbourne housing FULL: X CO Linear, Ridge, Lasso Joint: X | K Melbourne Housing Market: X | + ← → C (a colab.research.google.com/drive/1z-1WrrmRrd96f-8ZGd5HaPuv2nnrbw6U#scrollTo=jerb92cJqdij 0 x x 🛛 🚯 🕅 sho... M Gmail 🖸 YouTube 🌻 Maps 📄 Breast_Cancer_Hi.. 📄 Programming 📄 NDA 💶 YouTube 👩 Classification-of-.. * Elli Other Bo Sha ± (0 C2 10 Q ↑↓0**□/**0∎ Permit this notebook to access your Google Drive files? No thanks Connect to Google Loading Datasset - Exploratory Data Analysis kalamgaru.webp ^ 👌 melbourne.zip ^ Show all X

(Refer Slide Time: 47:46)

Once you double click over this one, you will get here. If you observe, here, our first job is to just mount your drive. Let me check once this drive is being mounted.

(Refer Slide Time: 48:17)



The data set which we are using here is, just let me click on this, the data set which we are using here is from Kaggle dataset, where you can call this one as Melbourne Housing Market. And for doing this tutorial, I have taken help from Codebasics channels, that is, in YouTube.

(Refer Slide Time: 48:38)





c-o-d-e s-i-c-s, YouTube channel is there. I am referring his videos actually. This is just for implementation part. If you have time and if you want to explore more algorithms, you can go and check that. I have taken reference from there.

(Refer Slide Time: 48:59)

→ C (i colab.research.google.com/d	rive/1z-1WrrmRrd96f+8ZGd5HaPuv2nnrbw6U#scrollTo=CDaxywMGFsU_	0 x 🛪 🛛 🐔 🚺
Maximum Likeliho M Gmail 🚺 YouTube 🕴) Maps 📋 Breast_Cancer_H 📋 Programming 📋 NDA 🖪 YouTube 🔘 Classification-of 🖪 Medical Data Scie	k BraTS2020 Datas × 🗎 Other Bookma
O Linear_Ridge_Lasso.ipynb	r • Help All changes saved	🗖 Comment 🔉 Share 🌣 🚯
Files 🖸 🗙	+ Code + Text	✓ RAM 🛄 🔹 🖌 Editing 🗠
Ø 🛛 51 6	from google.colab import drive	^ ↓ ⊙ ■ ¢ () ∎ :
 m sample_data 	drive.mount('/content/drive')) Nousted at /content/drive	1
	Kaggle Dataset: Mebourne housing dataset i inport: panda an pp inport: mation:linguide soft inport: mation:linguide soft inport: mation: an and	
	- Loading Datasset	
	[] dataset = pd.read_csv('/content/drive/NyDrive/Nelbourne_Linear_Regression/Nelbourne	_housing_FULL.csv')
	- Exploratory Data Analysis	
	() dataset.shane	
Disk 70.73 G8 available	(34857, 21)	
	A REAL AND A REAL	



Now let me explain, this is the data set, just click here, this particular data. This is for namesake, I am just explaining but in the folder, I have already downloaded data from both the points, from Kaggle. Click here data, if you go down, you can see both these files. Just click this download button, enter download button here, you can download all the files, data

.(Refer Slide Time: 49:27)

	→ C 🔒	docs.google.co	n/spreadshe	ets/d/1uE9-w0	L-FkABkejPOlQimH	http://www.bitto.com	nkZiybFgV4/ed	it#gid=11415654	55				ů \$	* 🗆 (ê
3	Maximum Likeliho	M Grail	YouTube	💡 Maps 📋 I	Breast_Cancer_HL.	Programmin	ng 🗎 NDA 🖪	YouTube 🔘 C	lassification-of	Medical Da	ita Scie k	BraTS2020 Data	. × 1	Other Bo	ek
8	Melbour File Edit	ne_housing_f View Insert I	PULL ☆	⊡ ⊘ a Tools Exte	nsions Help Las	t edit was 5 hr	ours ago				~	•	•	Share	(
	n ~ 8 P	100% - \$	\$ 0, 0	0 123 v Defa	ult (Ari + 10	- B I -	G A & B	- E - E -	± • + • ୭	• © 🗄 🗄	Υ • Σ •			^	
1	✓ fx	Type													
	A	8	С	D	E	F	6	н	1	J	K	L	h		
1	Suburb	Address	Rooms	Туре	Price	Method	SellerG	Date	Distance	Postcode	Bedroom2	Bathroom	Car	Ŀ	
2	Abbotsford	68 Studiey St		2 h		SS	Jellis	03/09/2016	2.5	3067		2	1	1	
3	Abbotsford	85 Turner St		2 h	1480000	S	Biggin	3/12/2016	2.5	3057		2	1	1	
4	Abbotsford	25 Bloomburg S		2 h	1035000	S	Biggin	04/02/2016	2.5	3057		2	1	0	
5	Abbotsford	18/659 Victoria 1		3 U		VB	Rounds	04/02/2016	2.5	3067		3	2	1	
6	Abbotsford	5 Charles St		3 h	1465000	SP	Biggin	04/03/2017	2.5	3067		3	2	0	
7	Abbotsford	40 Federation L		3 h	850000	PI	Biggin	04/03/2017	2.5	3067		3	2	1	
8	Abbotsford	55a Park St		4 h	1600000	VB	Nelson	04/06/2016	2.5	3057		3	1	2	
9	Abbotsford	16 Maugie St		4 h		SN	Nelson	06/08/2016	2.5	3057		3	2	2	
10	Abbotsford	53 Turner St		2 h		S	Biggin	06/08/2016	2.5	3067		4	1	2	
11	Abbotsford	99 Turner St		2 h		S	Collins	06/08/2016	2.5	3067		3	2	1	
12	Abbotsford	129 Charles St		2 h	941000	S	Jelis	07/05/2016	2.5	3057		2	1	0	
13	Abbotsford	124 Yarra St		3 h	1876000	S	Nelson	07/05/2016	2.5	3057		4	2	0	
14	Abbotsford	121/56 Nicholso		2 U		PI	Biggin	7/11/2016	2.5	3057		2	2	1	
15	Abbotsford	17 Raphael St		4 h		W	Biggin	7/11/2016	2.5	3057		6	2	0	
16	Abbotsford	98 Charles St		2 h	1636000	S	Nelson	8/10/2016	2.5	3067		2	1	2	
17	Abbotsford	217 Langridge S		3 h	1000000	S	Jellis	8/10/2016	2.5	3067					
18	Abbotsford	18a Mollison St		21	745000	S	Jelis	8/10/2016	2.5	3057					
19	Abbotsford	6/241 Nicholson		1 u	300000	S	Biggin	8/10/2016	2.5	3067		1	1	1	
20	Abbotsford	10 Valiant St		2 h	1097000	S	Biggin	8/10/2016	2.5	3067		3	1	2	
21	Abbotsford	403/609 Victoria		20	542000	S	Dingle	8/10/2016	2.5	3067					
22	Apportsford	2 Nich St		2 n		5P	ыддія	10/12/2016	2.5	3067		2	1	1	
Z3	Abbotsford	25/84 Trenerry (ZU	760000	SP	Biggin	10/12/2016	2.5	3067					
24	Abboosford	106/119 Tumer:		10	481000	SP	Purpiebricks	10/12/2016	2.5	3057			0		
23	Acoccitord	411/5 Grosveno		20	/00000	VB	20115	12/11/2016	2.5	3067		2	2	1.	
			-												
	T 🗐 💧	reipourne_hous	ing_rull •												

This is how the data has been given, like Suburb and Address, Rooms, Type, Price, Method, SellerG.

(Refer Slide Time: 49:37)

7	C i kaggle.com/datase	ats/anthonypino/melbourne-hous	ing-market?select=MELBC	URNE_HOUSE_PRICES_LI	SS.csv		0 x 🛪 🛛 🕼 🌂
Mac	imum Likeliho M Gmail 🖸	YouTube 🍳 Maps 🗎 Breast_Ca	ncer_H 🗎 Programming	🗎 NDA 🖸 YouTube 🌘	Classification-of	Aedical Data Scie	k BraTS2020 Datas × 🗎 🕮 Other Bookma
=	kaggle	Q Search					9
ł	Create	Melbourne Hou Data Code (296)	Discussion (26) Met	tadata	• 639 New M	otebook	L Download (2 MB)
Ø	Home	_					III MELBOURNE HOUSE PRIC
Ŷ	Competitions	Detail Compact	Column		10 of	13 columns 🗸	Melbourne_housing_FULL.c
1	Datasets	A Suburb 🐺	A Address 🖉	tt Rooms 🖉	A Type 📻	# Price	
$\langle \rangle$	Code			Numper of rooms	T=Townhouse	Price	
	Discussions	Reservoir 2%		L	h 715	Ĩ	
9	Courses	Benfleigh East 1% Other (60937) 97%	57754 unique values		u 18%. Other (6315) 10%		
~	More	Abbotsford	49 Lithgra St	3	h	1450202	
Ē	Your Work	Abbotsford	59A Turner St	3	h	1220808	
	Melbourne Housing	Abbotsford	1198 Yarra St	3	h	1429808	
Ø	Chest X-Ray Images	Aberfeldie	68 Vide St	3	h	1515808	
9	BraTS2020 Dataset	Airport West	92 Clydesdale Rd	2	h	678080	
1	3D MRI Brain tumor	Airport West	4/32 Earl St	2	t	538888	
6	View Active Events	Airport West	3/74 Hanker St	2	U	546969	







If you want you can further explore here. Each and every detail has been given, what exactly each data point, each column will describe. Method, Type, SellerG, Date sold, all the, each and every variable, particular description has been given.

(Refer Slide Time: 49:56)

→ C	ive/1z-1WrrmRrd96f+8ZGd5HaPuv2nnrbw6U#scrollTo=a2siM72DF0w2	ů 🖈 🖬 🕼 🕻
Maximum Likeliho M Gmail 🖪 YouTube 🤇	Maps 🔠 Breast_Cancer_H 🛅 Programming 🗎 NDA 😆 YouTube 🕥 Classification-of 😆 Medical Data Scie	🗼 BraTS2020 Datas » 🗎 🔛 Other Bookmar
Linear_Ridge_Lasso.ipynb File Edit View Insert Runtime Tools	Hep Allchanges saved	🗖 Comment 👪 Share 🛱 🎼
Files 🛄 🗙	+ Code + Text	✓ RAM Cost → Cliting A
	<pre>% [1] from google.colab import drive drive.mount("<u>/content/drive</u>")</pre>	
> 🖿 comple_doto	Nounced at /content/drive Please download the <u>data</u> Kagolp Dataset: Melbourne housing datset	
	 Import numpy as np import pundus as pd import matplotlib.pplot as plt import matplotlib and 	↑↓∞ □¢ ()∎:
	- Loading Datasset	
	<pre>[] detaset = pd.read_cev('/content/drive/NyDrive/Nelbourne_Linear_Regression/Nelbourne - Exploratory Data Analysis</pre>	housing_FULL.csv')
	[] dataset.shape	
20.23.00	(34857, 21)	
USK 10.73 00 available		



-> C III colab.research.google.col	v/drive/1z-1WrrmRrd96f-8ZGd5HaPuv2nnrbw6U#scrollTo=NEFC6edOaWVI	ê 🖈 🖬 🕼 🌜
Maximum Likeliho M Gmail 💶 YouTube	💡 Maps 📋 Breast_Cancer_H 📋 Programming 📄 NDA 🖬 YouTube 💭 Classification-of 🖪 Medical Data Scie	e k BraTS2020 Datas » 🗎 Other Bookman
Linear_Ridge_Lasso.ipynb File Edit View Insert Runtime T	会 See Help Allchanges saved	🗖 Comment 🔐 Share 🏚 🎼
Files 🔲 🕻	C + Code + Text	✓ RAM 🛄 🔹 🖋 Editing 🔺
	[2] import mumpy as np import pandas as pd import matplotlib.pyplot as plt	
 Meidcal_Image_Analysis 	import seaborn as sns	
Melbourne_Linear_Regres Linear_Ridge_Lasso.ip Mel Pourper_House	- Loading Datasset	TO CHE DE :
MELBOURNE_HOUSE	[] dataset = rd.read.csv/'/content/drive/McDrive/Melhourne Linear Revression/Melhour	
Melbourne_nousing_r		ne_nousing_FULL.csv()
Melbourne_housing_F Melbourne_housing_FU Michael_Avendi_Pytorch NDA_IITM NDA_IITM	Download Revanue file Define Jata Analysis Define the	ne_nousing_ruul.csv)
Metodune (Nosing J-L Metodune, Nosing FUL Michael, Avend, Pytoch NDA.JITM NPTEL, DEMO, GANS NPTEL, Medical, Image, A NOnicoalMeans PROGRAMMING	Download Revame file Detete file Cogr path Refresh	ne_nousing_vull.csv)
Helicoline_Jocaing_I- Method Jeytorch_ Non JICM Michael Arend Jeytorch_ Non JICM Non JICM Method Jeytorch_ Non Jica Method Non Jica Method Proceeding Method Proceding Method Proceding Method Pr	Deveload Revars fix Develoa ta Analysis Cograph Reform [] dataset.besd()	me roanty rul.ev)
weodore.zosanje 7U weodore.zosanje 7U wolatej Annol Ayroch NOU UM	Deveload Resume file Detekte te Copyram () dat Analysis Detekte te Copyram () dataset.bead() () dataset.b	ne monarchy russ.cov) netcode Bathroom Car Landsize Bai
welcome: boosting J/LL welcome: boostin	Deveload Rename file Deter its Copyramin Referation I detaset.bead() Sabarb Address Rooms Type Price Netbod Solier6 Bate Distance Pro 6 Studiey 2 h Nan SS Jells 300/2016 2.5 6 Tumor	na monariaj (rul.cov) asteode Bathroom Gar Landsize Bui 3067.0 10 10 125.0
Wendown, howing J/U, Wholen, howing J/U, Mohad, Jword, Jyroch, NoU/M NoU/M NoU/M Not caliboard Polace List Polament	Deveload Revente file Deveload Reference I detaset.bead() Subborb Address Rooms Type Price Retailed Sellerc Date Distance Re Address Rooms Type Price Retailed Sellerc Date Distance Re Retailed Sellerc Date Distance Re Sellerc Date Distance Re Retailed Sellerc Date Date Distance Re Retailed Sellerc Date Date Date Date Date Date Date Date	asteode Bathroom Car Landsize Bui 30670 10 10 126.0 30670 10 10 202.0

· · · · · · · · · · · · · · · · · · ·	ive/1z-1Wr	rmRrd96f+8ZGr	15HaPuv2nn	rbw6U#	scrollTo	=tybiXGPqG	GJ5p						٥	\$	* 🗆 (6 (
asimum Likeliho M Gmail 💶 YouTube 💡	Maps 🗎	Breast_Cancer_	HL. 🗎 Pro	gramming		iDA 🖸 Yo	uTube O	Classificatio	n-of 🖸	Medical Data	Scie k	BraTS20	020 Datas	* B	Uther Bo	ekma n a
Linear_Ridge_Lasso.ipynb 🔅 File Edit View Insert Runtime Tools	Help Al	I changes saved										Q Co	mment	Sha	re 🌣	6
ilar 🔳 X	+ Code	+ Text										V RAI	×	1	Editing	^
	• Loa	ding Dat	asset													
Meidcal_Image_Analysis Meidcal_image_Analysis Meibourne_Linear_Regres Linear_Ridge_Lasso.ip	0	dataset = pd	read_csv[/conto	nt/dr.	ive/NyDriv	ve/Melbo	urne_Line	ar_Regres	sion/Melbo	urne_hous	ing_P	↑↓ 9 ULL.esv')		¢01	-
MELBOURNE_HOUSE MELBOURNE_HOUSE_P Melbourne_housing_F	- Exp	loratory	Data Aı	/contr	nt/drive	h/MyDrive/M	elbourne_l	<u>Linear_Reg</u>	ression/Mel	bourne_hous	ng_FU					
Melbourne_housing_FU	[]]	dataset.shap	,													
NDA_IITM NPTEL_DEMO_GANS		34857, 21)														
NPTEL_Medical_Image_A_ Noni acalMeans	(1)	dataset.head	0													
PROGRAMMING		Suburb	Address	Rooms	туре	Price	Method	SellerG	Date	Distance	Postcode		Bathroom	Car	Landsiz	e Bui
PROJECT_NEW Personality_Development		0 Abbotsford	68 Studiey St	2	h	NaN	SS	Jellis	3/09/2016	2.5	3067.0		1.0	1.0	126.	0
PhD Placement_Preparation Project Guidance		1 Abbotsford	85 Turner St	2	h	1480000.0	s	Biggin	3/12/2016	2.5	3067.0		1.0	1.0	202	0
Python_Basics Deterth For Computer Vi		2 Abbotsford	25 Bloomburg St	2	h	1035000.0	s	Biggin	4/02/2016	2.5	3067.0		1.0	0.0	156.	D
r yord of compare the			10/050													

	Lincor	Didao L	anna inum													
File	Edit V	iew Inser	t Runtime	Tools Help										🗳 Corr	iment 👫 S	tare 🌣 🚯
Coc	le + Te	eat												V RAM Disk		/ Editing 🔥
Ex	plora	tory D	ata An	alysis												
															^↓⊙⊡	60 # 1
0	datase	rt.shape														
	(34851	, 21)														
0	datase	rt.head()														
D	isthod	SellerG	Date	Distance	Postcode		Bathroom	Car	Landsize	BuildingArea	TearBuilt	CouncilArea	Lattitode	Longtitude	Regionname	Propertycount
	\$\$	Jelis	3/09/2016	2.5	3067.0		1.0	1.0	126.0	NaN	NaN	Yarra City Council	-37.8014	144.9958	Northern Metropolitan	4019.0
	s	Biggin	3/12/2016	2.5	3067.0		1.0	1.0	202.0	NaN	NaN	Yarra City Council	-37.7996	144.9984	Northern Metropolitan	4019.0
	s	Biggin	4/02/2016	2.5	3067.0		1.0	0.0	156.0	79.0	1900.0	Yarra City Council	-37.8079	144.9934	Northern Metropolitan	4019.0
	VB	Rounds	4/02/2016	2.5	3067.0		2.0	1.0	0.0	NaN	NaN	Yarra City Council	-37.8114	145.0116	Northern Metropolitan	4019.0
	SP	Biggin	4/03/2017	2.5	3067.0		2.0	0.0	134.0	150.0	1900.0	Yarra City Council	-37.8093	144.9944	Northern Metropolitan	4019.0
					_	-		-								



<pre>mmem. my use to aver y uses y made _ magneting _ NA</pre>	
heer_fideg_Lessopherb ☆ Here fideg_Lessopherb ☆ Here fideg_Lessop	Q comment 11 Share ♦ ● M Max → ▲ folding ∧ M Max → ▲ ▲ ● M Max → ▲ ▲ ▲
tek ter men hanne hove nop nep + Tet 	A bide me. ► ↓ ∞ □ ↓ ∫ fatting ▲
<pre>interm = text = te</pre>	
<pre>(4487, 15) 444444.ima().em() 444444.ima().em() 444444.ima().em() 444444.ima().em() 444444.ima().em() 44444.ima().em() 4444.ima().em() 444.</pre>	(↑ ÷ ∞ ¤ ≎ 6 ■ 1
ataet.imm().sm() baby b baby b by b b	
babarb i i i i i i i i i i i i i i i i i i i	<u>↑↓∞□¢@∎:</u>
homes = 0 property = 0 here a set of the	
Anisot 0 Balance 0 Balance<	↑ ↓ ∞ □ ¢ 0 ■ :
Salado Salad	. ↑ ↓ ∞ □ ≎ Ω ∎ :
Troperty you a set of the set of	
bitated bi	
belood 201 belood	<u>↑↓∞□¢≬∎:</u>
staturom 200 staturom 200 staturom 200 staturom 200 staturom 200 stype: 1154 decase(cols_to_fill_sero) * decase(cols_to_fill_sero).fillse() decase(cols_to_fill_sero) * decase(cols_to_fill_sero).fillse() decase(cols_to_fill_sero) * decase(cols_to_fill_sero).fillse() decase(cols_to_fill_sero) * decase(cols_to_fill_sero).fillse() decase(cols_to_fill_sero) * decase(cols_to_fill_sero).fillse() decase(cols_to_fill_sero) * decase(cols_to_fill_sero).fillse() decase(cols_to_fill_sero) * decase(cols_to_fill_sero).fillse() attact.ims() staturom 200 staturom 200 st	^ ↓ ∞ □ ¢ () ≣ :
Landsling Hills Hi	↑ ↓ ∞ Q ♦ Q ■ :
structures and set of the set of	↑ ↓ ∞ □ ¢ 0 i :
dtype: int4 chige fill eren / Tropertyposet / Taktenes /, Taktenes	<u>↑↓∞□¢0</u> ≣ :
colls_ts_fill_sero('Propertycoust','Distance','Sadrows','Car') dstamet(colls_to_fill_sero) + &dstamet(colls_to_fill_sero).fills() dstamet(colls_to_fill_sero) + &dstamet(c	↑ ↓ ∞ □ ‡ () 8 :
soul_to_line_recey repertymont / Distance / Bedrood / Retrood / Car) detaest(cols_to_fill_sec) + detaest(cols_to_fill_sec).fillas() detaets(cols_to_fill_sec) + detaest(cols_to_fill_sec).fillas()	
ataset[cols_to_fill_tero] + dataset[cols_to_fill_mero].fills[() dataset[cols_to_fill_tero] + dataset[cols_to_fill_mero].fills[() dataset.ima().sem() blocks 0 w lower w lo	
dataset.ima().cm() datase	
dataset.ima().sem() Batch 0 0	
abach town	
Nome 1 Imported at 11:40 PM Lustip 1 mebours.sp 1 ack.Paymeter X Constructions-from X 1 acconstruction 1 Mebours.sp 1 acconstruction 1 1 Mebours.sp 1 acconstruction 1 1 Mebours.sp 1 acconstruction 1 1 1 1 <tr< td=""><td></td></tr<>	
C is completed at 11.40 PM constructions.cp f imedioans.cp imedioan	
cohe meser kypogie combinely: Twinningde 2020 State Wurden of United Topy Zheld KLOB winds M Gaul that % Mone hear Ridge Lassoippe ret for the Reference of the Refe	bourne Housing Market X +
which M Geni D Tuble 9 Muss [] Bhead_Catory.t. [] Popumers [] NA 0 Tuble 9 Castonio-4. [] Madar DasSoc. [] f hear Ridge_Lasso.jpytb 12 hear Ridge_Lasso.jp	û x 🛪 🛛 🚱 💱
There Midde Lasso Sports ☆ Eds Ver toor Runner Tools Help Allchangesamed * Test *	aTS2020 Datas × 🗎 🛅 Other Bookman
GH Ver Werk Refer Tools Help All Chargesiands + Tote + Tote - Totes:Lines - Tot	🛾 Comment 🛛 🚓 🗱
+ Tost - + Tost - + Tost - + + + + + + + + + + + + + + + + + + +	-
Diritance 1 Diritance 1 Description 2 Diritance 2 Diritance 2 Diritance 2 Diritance 2 Diritance 1 Diritance 1 Dir	Disk Control C
backroad 017 sharrow 126 Car 9728 sharrow 126 hildisplace 2113 hildisplace 2113	
<pre>hathroom 1224 crc 1738 bandwine 11819 buildingte 11819 buildingte 2111 trice 711 buildingte 2111 buildingte 21111 buildingte 21111 buildin</pre>	
Street 010	
buildingten 2115 https://eim 2015 https://www.intel.eres//Yoopertycoust//Datasee//Befroad//Batasee//Befroad//Batasee//Befroad//Batasee//Befroad//Batasee//Befroad//Batasee//Befroad//Batasee//Befroad//Batasee//Befroad//Batasee//Befroad//Batasee//Befroad//Batasee//Befroad//Batasee//Befroad//Batasee//Befroad//Batasee//Befroad//Batasee//Befroad//Batasee//Befroad//Batasee//Befroad//Batasee//Befroad//Batasee//Befroad//Batasee	
Statest(cols_to_fill_zero) 'bdroad','Baktrost','Car'] datast(cols_to_fill_zero) + datast(cols_to_fill_zero).fillss()) datast(cols_to_fill_zero) datast(cols_to_fill_zero) + datast(cols_to_fill_zero).fillss()) datast(cols_to_fill_zero) bdrbd 0 opps 0 bdrbd 0 opps 0 bdrbd 0 brodt 0 brodt 0 brodt 0 brodt 0 brodt 0 brodt 0	
cols_ts_fill_sero+('Propertycoust','Distance','Endroosd','Sakhroost', Car') dstast[cols_ts_fill_sero] + dstast[cols_ts_fill_sero].fills() dstast.ima().smn() bbch5	
dstasst[cois_to_fill_zero] * dstasst[cois_to_fill_zero].fillss() dstasst.isma().sms() dstasst obsors 0 Oype 0 Dype 0 Dype 0 Diletoi 0 D	↑↓∞目¢[1]:
dataset(cols_to_fill_sero) + dataset(cols_to_fill_sero).fills(0) dataset.isma().emm() Subarb 0 Subarb 0 Syme 0 Syme 0 Syme 0 Subarb 0 Suba	
detaset.ima().rmm() slabath 0 fotosa 0 Stype 0 Retod 0 slalatet slalatet slatet 1 Stype 1 Sty	
skakuć 0 bosos 0 type 0 skakuć 0 skakuć 0 skakuć 0 skakuć 0 skakuć 0	
Itoms 0 Vppe 0 Vehthd 0 Rej (nama) 0 Veptime 0	
Seller 0 Regioname 3 Foreertwount 0	
Propertycount 0	
Distance 0	
Bedroom2 0	
Bathroon 0	
Landsize 11810	
BuildingArea 21115 Price 7610	
dtype: int64 / De_completed at 11:40 DM	
 us compress at 17.40 mm 	

| A Linker, Köge, Lassophynb ::

 | Liber: Holg. Lassicy of the first into the first in

 | Bit We have from the hap
 | uximum Likeliho.
 | M Gmail 🖪 | YouTube
 | 💡 Maps 📋 | Breast_Cancer_Hi

 | . 🔟 Program | wring 🗎 NDA | 🖸 YouTube 🔘 C
 | lassification-of- | . 🖪 Medical D | ata Scie k | BraTS2020 Data
 | s × E | Other Boo | okmanika |

--
--

--
---|--

--
---|--
--
---|---
---|---|--
---|--|--|---
---|--|
| The Let New meth Rathers toos hep

 | is the Verm land herms too Hep Image: 1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (

 | bit We mid Lamba too Map

 | 💪 Linea | ar_Ridge_Lass | o.ipynb
 | ¢
 |
 | |
 | | |
 | | Comment | 👪 Sha | ne 🗘 (| e |
| Code + 1mt

 | obs + bit

 | + trai
* trai
* trai
* * *** * * * * * * * * * * * * * * *

 | File Edit | View Insert R | Auntime Too
 | ols Help
 |
 | |
 | | |
 | | | | | |
| [15] Buildson 1113 Price 1113 Price 1113 Other intervention 1114 Other intervention 0 Oth

 | by bilingers 2015
darpet intit
1) solis_diffications 2015
darpet intit
1) solis_diffications 2015
darpet intit
2) solisofted to 1
solisofted to 2
solisofted to 2
soli

 | bildingter 2113
bildingter 2113
bildi
 | + Code + | Text
 |
 | |
 |
 | | |
 | | | V RAM | • /
 | Editing | ^ |
| Proc. 7013 Proper Listed (11) Onlight, fill, serve("Property result, "Batance", 'Ger") (12) Antest (sing)

 | Tries Tries 1) solis du fill serve (Tripertynown*, 'Element*, 'Edennet*, 'Enr!) 2) settert inst.) serie() 2) settert inst.) setter inst.) settert inst.) settert inst.) sett

 | <pre>trime inter inter(i</pre>

 | [10] Buil | dingArea | 21115
 |
 |
 | |
 | | | |
 | | | | |
| <pre>11) exist_fil_serve('Trepersyons', 'Batanes', 'Betroes', 'Batanes', 'Bat</pre>

 | 1 abartel (abartel (Trepertyponet', Unitanet', Matternet', Car') 2) abartel (abartel (abartel (Trepertyponet', Unitanet', Car')) 2) abartel (abartel (Trepertyponet', Unitanet', Car')) 2) abartel (abartel (Trepertyponet', Unitanet', Car')) 2) abartel (Trepertyponet', Unitanet', Carl)) 2) abartel (Trepertyponet', Unitanet', Unita

 | atal, p.(11]_atro; * 10xacc; *, Natoro; *, Nat
 | Price | ce
ce: int64
 | 7610
 | |
 |
 | | | |
 | | | |
 | | |
| <pre>11] edit is full area ("frequery toor ', "Bittace', 'Bedrood', 'Betrood', 'Art') (3) decases (edit is in fill area) - decases (edit is in fill area).fille())</pre>

 | 1) ohig by 11 end (Tropertycent / Statest (Ind (In

 | eol::::::::::::::::::::::::::::::::::::
 |
 | |
 | |

 | | | |
 | | | |
 | | | |
| <pre>113) determining (interme) - determining (interme).dillance()</pre>

 | 2) dataet(alg.or_fill_wenc) + dataet(alg.or_fill_wenc).fillas())
2 shows
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press
press

 | Adametical_sec_file_pero} - 4dametical_on_file_pero}.file_pero}.file_pero
Adametical_sec_file_pero} = 4dametical_on_file_perofile_pero
Barbon = 0
By = 0
 | [11] cols
 | _to_fill_zero | =['Proper
 | tycount','D | Distance','Bed

 | room2','Bat | hroom','Car'] | |
 | | | |
 | | | |
| G detable:::dead():=me() G detable:::dead():=me() Getable:::dead():=:dead():::dead(

 | A data de la del la del del la del del la del la del del la del la del del del la del del la del del del la del del del la del del del la del del del del la del del del la del

 | detect.ins().sm() backshim
 | [12] data
 | aset[cols_to_f | fill_zero]
 | = dataset[| cols_to_fill_

 | zero].filln | a(0) | |
 | | | |
 | | | |
| ■ matrix matrix matrix ■ matr

 |

 | Ander 1, 1997
Ander
 | 6 data
 | ant inset a |
 | |
 |
 | |
 | | | |
 | | | |
| C Botch Bo

 | a batch is approximate appro

 | Babers
 | U data
 | iset.isna().su | in()
 | |
 |
 | | | |
 | | | |
 | | |
| Participant 0 Mathed Participant Participant 0 Paritipant 0

 | Profession Profession Profession Profession Profession Profession Profession Profession Profession Profession Profession Profession Profession Profession Profession Profe

 | The Stand Ballet Ba
 | C+ Subu:
Room
 | arb
Na | 0
 | |
 |
 | |
 | | | |
 | | | |
| Method 0 Allerd 0 Distance 0 <td>bitled
intervents 0
0 bitled
intervents 0
0 completed at 114 PM 0
0
0 completed at 114 PM 0
0
0 completed at 114 PM 0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0</td> <td>Nature in a subject of a</td> <td>Type</td> <td></td> <td>0</td> <td></td>

 | bitled
intervents 0
0 completed at 114 PM 0
0
0 completed at 114 PM 0
0
0 completed at 114 PM 0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0

 | Nature in a subject of a
 | Type |
 | 0
 | |
 |
 | | |
 | | | | |
 | |
| Bitstein 0

 | Billing

 | Bit Harding
 | Meth
 | bot | 0
 | |
 |
 | |
 | | | |
 | | | |
| Pirster 0 Battace

 | Projectional 0 Constitutes 0 Statution -

 | The second of t
 | Selle
 | onname | 3
 | |
 |
 | |
 | | | |
 | | | |
| Distance 1 Concellations 1 Miditable Miditable Miditable <td< td=""><td>bitschein 1000 bitschein 10000 bitschein 10000 bitschein 100000 1000000 bitschein 100000000 1000000000000000000000000000000000000</td><td>bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bi</td><td>Prop</td><td>ertycount</td><td>10</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>

 | bitschein 1000 bitschein 10000 bitschein 10000 bitschein 100000 1000000 bitschein 100000000 1000000000000000000000000000000000000

 | bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bitasis
bi
 | Prop
 | ertycount | 10
 | |

 | | | |
 | | | |
 | | | |
| Concilizes 3 Betroom 0 Section 0 Sect

 | Constitutes 3
bit Statistics 0
bit Statistis <t< td=""><td>Concellates 3
Rectand a second biological seco</td><td>Dist</td><td>ance</td><td>²0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>

 | Concellates 3
Rectand a second biological seco
 | Dist | ance
 | ² 0
 | |
 |
 | | |
 | | | | |
 | |
| metrodade 0

 | Betrond i Betrond<

 | Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Second
Secon

 | Count | cilArea | 3
 |
 |
 | |
 | | | |
 | | | | |
| indiates indin indin inde indiat

 | 1000 1000 1010 1010 1010 1010 1010 1010 1010 1010 1010 1010 1010 1010 1010 1010 1010 1010 1010 1010 1010 1010 1010 1010 1010 1010 1010 101

 | Test time 1133 Trianistanti 1133 1133 Trianistanti 1133 1134 Trianistanti 1133 1 = ditamet["Landsins"].fillad(ditamet.Landsins.see()] Trianistanti 1133 1 = ditamet["Landsins"].fillad(ditamet.fillad(dit
 | Bedro
 | room2 | 0
 | |

 | | | |
 | | | |
 | | | |
| biddingser 1113
Prigre: 144 Biddingser 2113
Prigre: 144 Image: Lander 1, Sander 1, San

 | abadiants 1010
brie juit billiospect 1010
syn: stati pro: stati ************************************

 | Landia milità
priore insta
Decentificadine i 1183
priore insta
Decentificadine i 1183
priore insta
Decentificadine i 1183
priore insta
Decentificadine i - dataset["Audidispices].fillad(dataset.fundidispices.meno())

 | Car | a voli | 0
 | |

 | | | |
 | | | |
 | | | |
| Billingerse 2115
710 Price 719 Operations 719 Operations 1 + + + + + + + + + + + + + + + + + + +

 | bildingene 20115
drym: 164

 | hildingsre: 1115
higherst: 1140
higherst: 1
 | Land
 | isize | 11810
 | |

 | | | |
 | | | |
 | | | |
| Prime 7013 diggs: initial (+ + ∞ □ • 0 • 1 + 1 Image: Lander: "Landelise") = dataset("initialization: mean()) (+ ∞ □ • 0 • 1 + 1 Image: Lander: "Landelise") = dataset("initialization: mean()) (+ ∞ □ • 0 • 1 + 1 Image: Lander: ** ** ** ** Image: Lander: ** ** ** ** ** Image: Lander: **

 | Pitter mil 700 Appr: Instit ● ★ 0 ■ 0 ↓ 0 ↓ 0 ↓ 0 ↓ 0 ↓ 0 ↓ 0 ↓ 0 ↓ 0 ↓

 | Trice 713 Barbert['Indicing's - dataset['Adding',filla(dataset.Landsin.sexe()) Dataset['Indicing's - dataset['Adding',filla(dataset.Landsin.sexe()) Addense Addense Addense A B melbourne.2p

 | Build | dingArea | 21115
 |
 |
 | |
 | | | |
 | | | | |
| • • • • • • • • • • • • • • • • • • •

 |

 | Barnetti (faildinghers) - ditaset(failis(astat. Landsize.sma())

 | Price | te inter | 7610
 |
 |
 | |
 | | |
 | | | | | |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $

 | Internet['India'] - ditaset['India'].clllaiddatest.indiire.ment()) Interet['Buildingters] - ditaset['India'].clllaiddatest.indiire.ment())

 | bit sett ['anditise'] - distant['fullidiptes].fillid(distat-t.doi/se.rement()) bit sett ['anditise'] - distant('fullidiptes].fillid(distat-t.doi/se.rement()) bit sett ['anditise'] - distant('fullidiptes].fillid(distat-t.doi/settige].fillid(distat-t.d

 | acyp | Net THEOR |
 |
 |
 | |
 | | | |
 | | | | |
| Picture: Link:

 | Batterit Extent(Exten(Extent(Extent(

 | Baranetti (mildinghewi) - dataseti (mildinghewi). Hilling (dataset. Landsing - man()) ✓ 0s completed 1141PM ✓ 0s completed 1141PM mellogenesit: X & Cole Maskoos - Songi X & Meloure, Josep, PAL X (*) Integration (Mildinghewi). Hilling (dataset. Muldinghewi).
 |
 | |
 | |
 |
 | | |
 | | | 1 | ↓ ∞ ⊑
 | ¢ [] ≣ | - |
| active (principles) - strate(principles () IIII SI (state(+ UI III)))

 | Participances = accompleted = 1, ninner (determ: ni

 |

 | O Hata | set['Landsize | [] = data
 | set['Landsi | ize'].fillna(d

 | ataset.Land | size.mean()) | |
 | | | |
 | | | |
| Image: Linker, Regensor: X Control Motores: George X A Methoures: Linker, Regensor: X Control Motores: Linker, Regnsor: X Control Motores: Linker, Regensor: Control Motores: Linker, Regensor: Control Motores: Linker, Regensor: Linker, Regensor: </td <td>y Bs completed at 11.11 PM sparuwith Λ Belloume.log Λ Linex_bayester X Caleb Natebooks-Google X Mathematic Margins Mathematic Margins Caleb Natebooks-Calebook X Mathematic Margins Mathematic Margins</td> <td>C is: completed of 11.01 PM Description of 11.01 PM exclopence: X is: C inde hotebooks - Graph X is: Methodere, Joseffy, J. (a) (a) (b) (b) (b) (b) (b) (b) (b) (b) (b) (b</td> <td>Gata</td> <td>speel buttoring</td> <td>lurea 1 -</td> <td>Gacaseci Do</td> <td>intornymed 1.</td> <td>LILLING (Gala</td> <td>bec.burrornyn</td> <td>rea mean())</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>_</td>

 | y Bs completed at 11.11 PM sparuwith Λ Belloume.log Λ Linex_bayester X Caleb Natebooks-Google X Mathematic Margins Mathematic Margins Caleb Natebooks-Calebook X Mathematic Margins

 | C is: completed of 11.01 PM Description of 11.01 PM exclopence: X is: C inde hotebooks - Graph X is: Methodere, Joseffy, J. (a) (a) (b) (b) (b) (b) (b) (b) (b) (b) (b) (b
 | Gata
 | speel buttoring | lurea 1 -
 | Gacaseci Do | intornymed 1.
 | LILLING (Gala
 | bec.burrornyn | rea mean())
 | | | |
 | | | _ |
| $ \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$

 | y Bis completed at 1141 PM

 | ✓ B: complexist 11:11 PM Musetip Λ M relitorer

 | | |
 |
 |
 | |
 | | | |
 | | | | |
| $\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$

 | $ \begin{array}{c c c c c c c c c c c c c c c c c c c $

 | a retionne.gp

 | | |
 |
 |
 | | a second stand sta
 | | |
 | | | | | • > |
| Imagescurity A Imagescurity Imagescurity <th< th=""><th>gan.ubg Λ Problem Λ Liner_Negressor X Δ between_Leve_Hege X Metwoen_Leve_Hege Metwoen_Leve_Hege X Metwoen_Leve_Hege <t< th=""><th>All and an endowner.pp All MethodskiGoogle X All MethodskiK All Methodski All MethodskiK All</th><th></th><th></th><th></th><th></th><th></th><th></th><th>is completed at</th><th>11:41 PM</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<></th></th<>

 | gan.ubg Λ Problem Λ Liner_Negressor X Δ between_Leve_Hege X Metwoen_Leve_Hege Metwoen_Leve_Hege X Metwoen_Leve_Hege Metwoen_Leve_Hege <t< th=""><th>All and an endowner.pp All MethodskiGoogle X All MethodskiK All Methodski All MethodskiK All</th><th></th><th></th><th></th><th></th><th></th><th></th><th>is completed at</th><th>11:41 PM</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>
 | All and an endowner.pp All MethodskiGoogle X All MethodskiK All Methodski All MethodskiK All

 | | |

 | |
 |
 | is completed at | 11:41 PM |
 | | | | |
 | |
| Machanical Managers () () ()

 | $ \begin{array}{c c c c c c c c c c c c c c c c c c c $

 | Name Y Name Nam

 | alamgaru.web
PTEL_Unear_® | bp ^ | melbou Colab Note
 | ime.zip
books - Google
 | ∧ X Albou
 | re_Linear_Rego | es: X 🚼 Melb:
 | 11:41 PM | X O Line | r_Ridge_Lasso.ip; | nb x k M
 | lelbcurne Housi | ng Market X | Show all | • |
| Method method polarity public formation No No <th>Webcourter Doubling, FULL IX de 0 IV <</th> <th>County Bound - Double - Double</th> <th>ralamgaru.web
PTEL_Linear_R</th> <th>bp ^</th> <th> melbox Coleb Note m/spreadshi </th> <th>erne_zip
books - Google
beets/d/1uE9-w</th> <th>× A Melicu
IOL-FKABkejPOIG</th> <th>ne_Linear_Regs
mHlxmp7tXw</th> <th>esi x 🖬 Melba
u27nkZiybEgV4/e</th> <th>urne_housing_FULL
edit#gid=11415654</th> <th>x CO Lines</th> <th>r_Ridge_Lasso.jp</th> <th>nb x k M</th> <th>lelbourne Housi</th> <th>ng Market X
한 ☆</th> <th>Show all</th> <th>×</th>

 | Webcourter Doubling, FULL IX de 0 IV <

 | County Bound - Double
 | ralamgaru.web
PTEL_Linear_R | bp ^
 | melbox Coleb Note m/spreadshi
 | erne_zip
books - Google
beets/d/1uE9-w | × A Melicu
IOL-FKABkejPOIG
 | ne_Linear_Regs
mHlxmp7tXw
 | esi x 🖬 Melba
u27nkZiybEgV4/e | urne_housing_FULL
edit#gid=11415654 | x CO Lines
 | r_Ridge_Lasso.jp | nb x k M | lelbourne Housi | ng Market X
한 ☆ | Show all
 | × |
| P P 10% + 5 % A _ A _ 10% 10% + 8 K _ A _ A _ 10% 10% + 8 K _ A _ A _ 10% 10% + 8 K _ A _ A _ 10% 10% + 8 K _ A _ A _ 10% 10% + 8 K _ A _ A _ 10% 10% + 8 K _ A _ A _ 10% 10% + 8 K _ A _ A _ 10% 10% + 8 K _ A _ A _ 10% 10% + 1 K _ 10%

 | ● P 100 + 1 S 1 S 0 @ 1 H 1 B 2 Ø ▲ A 0 III III + 1 IIII + 1 IIII + 1 IIII + 1 IIIIIIII

 | T Yeth + S S Q Ust + S S Q Q Ust + S S Q Q Ust + S S Q </th <th>alamgaru.web
PTEL_Linear_R
> C a
simum Likeline.</th> <th>bp ^
Regression, X 6
docs.google.com
b M Gmail E</th> <th> melbox Colab Note Mispreadshi YouTube </th> <th>erne_zip
books - Google
sets/d/TuE9-w
Q Maps 🔛</th> <th>X A Melbou OL-FkABkejPOIG Breast_Cancer_Hi</th> <th>ne_Linear_Regs
imHixmp7tXw
. Eii Program</th> <th>es: x Melbo
u27nkZiybFgV4/e
wring P NDA</th> <th>sume_housing_FULL
edit#gid=11415654
2 YouTube () C</th> <th>X CO Lines</th> <th>r_Ridge_Lasso.jp
. 💶 Medical D</th> <th>nb X k M
ata Scie k</th> <th>telbourne Housi
BraTS2020 Data</th> <th>ng Markon X
① ☆
Is × []</th> <th>Show all</th> <th></th>
 |
alamgaru.web
PTEL_Linear_R
> C a
simum Likeline. | bp ^
Regression, X 6
docs.google.com
b M Gmail E | melbox Colab Note Mispreadshi YouTube
 | erne_zip
books - Google
sets/d/TuE9-w
Q Maps 🔛 | X A Melbou OL-FkABkejPOIG Breast_Cancer_Hi

 | ne_Linear_Regs
imHixmp7tXw
. Eii Program | es: x Melbo
u27nkZiybFgV4/e
wring P NDA | sume_housing_FULL
edit#gid=11415654
2 YouTube () C
 | X CO Lines | r_Ridge_Lasso.jp
. 💶 Medical D | nb X k M
ata Scie k | telbourne Housi
BraTS2020 Data
 | ng Markon X
① ☆
Is × [] | Show all | |
| A C D E // <th>A A C D E H I J K L V</th> <th>Address C D E F G H J A L M 6 6 H Date Date</th> <th>Alamgaru.web
PTEL_Linear_B
D C in
minum Likeliho
Melbour
File Edit</th> <th>bp ^
begression. X d
docs.google.com
A. M Gmail E
rme_housing_F
View Insert F</th> <th> melbox Colab Note m/spreadshi YouTube FULL A Format Dat </th> <th>ime.zip
books - Geogle
books - Geogl</th> <th>X A Melbou OL-FKABkejPOIQ Breast_Cancer_Hi tensions Help</th> <th>ne_Linear_Regn
mH1ump7tXw
. E::: Program</th> <th>es x Meibo
u27nkZiybEgV4/e
wring D NDA</th> <th>sume_housing_FULL
edit#gid=11415654</th> <th>x co Lines
55
lassification-of-</th> <th>e_Ridge_Lasso Jpr</th> <th>nt X k M
ata Scie k</th> <th>Melbourne Housi
Braff52020 Data</th> <th>ng Market X
Ê \$
Is H Î</th> <th>Show all</th> <th>×</th>

 | A A C D E H I J K L V

 | Address C D E F G H J A L M 6 6 H Date
 | Alamgaru.web
PTEL_Linear_B
D C in
minum Likeliho
Melbour
File Edit | bp ^
begression. X d
docs.google.com
A. M Gmail E
rme_housing_F
View Insert F
 | melbox Colab Note m/spreadshi YouTube FULL A Format Dat
 | ime.zip
books - Geogle
books - Geogl | X A Melbou OL-FKABkejPOIQ Breast_Cancer_Hi tensions Help
 | ne_Linear_Regn
mH1ump7tXw
. E::: Program
 | es x Meibo
u27nkZiybEgV4/e
wring D NDA | sume_housing_FULL
edit#gid=11415654 | x co Lines
55
lassification-of-
 | e_Ridge_Lasso Jpr | nt X k M
ata Scie k | Melbourne Housi
Braff52020 Data | ng Market X
Ê \$
Is H Î | Show all
 | × |
| A B C D F

 | A A B C B<

 | N C D F F F A A K L H H Address See Total Diataco C Diataco C N <th>Alamgaru.web
PTEL_Linear_R
C imum Likelihe.
Melbour
File Edit</th> <th>bp ^
bgression, × / d
docs.google.com
a M Gmail E
View Insert F
View Insert F</th> <th> melbox Colub Note Colub Note m/spreadshi YouTube FULL \$\$\phi\$ Format Dat \$\$.0.0 </th> <th>erne zip
books - Geogle
bets/d/14E9-w
Q Maps
a Tools Ext
0 123 - Def</th> <th>∧ A Melbou
OL-FKABkejPOIQ
I Breast_Cancer_Hi
tensions Help
fault (Art., - 10</th> <th>ne_Linear_Regn
mHlump7XXw
. E: Program
Last edit was:
• B Z</th> <th>es × A A</th> <th>sume_housing_FULL
edit#gid=11415654
YouTube Q C</th> <th>× co Lines
55
± + + + №</th> <th>e_Ridge_Lasso ip;</th> <th>nt × k M
ata Scie k
ν^a
1 Y + Σ +</th> <th>lebcurre Housi
Brall S2020 Datu
R</th> <th>ng Market X
Ê ☆
Is × Î
A S</th> <th>Show all</th> <th>structure of the second s</th>

 | Alamgaru.web
PTEL_Linear_R
C imum Likelihe.
Melbour
File Edit | bp ^
bgression, × / d
docs.google.com
a M Gmail E
View Insert F
View Insert F | melbox Colub Note Colub Note m/spreadshi YouTube FULL \$\$\phi\$ Format Dat \$\$.0.0
 | erne zip
books - Geogle
bets/d/14E9-w
Q Maps
a Tools Ext
0 123 - Def | ∧ A Melbou
OL-FKABkejPOIQ
I Breast_Cancer_Hi
tensions Help
fault (Art., - 10

 | ne_Linear_Regn
mHlump7XXw
. E: Program
Last edit was:
• B Z | es × A A | sume_housing_FULL
edit#gid=11415654
YouTube Q C
 | × co Lines
55
± + + + № | e_Ridge_Lasso ip; | nt × k M
ata Scie k
ν ^a
1 Y + Σ + | lebcurre Housi
Brall S2020 Datu
R
 | ng Market X
Ê ☆
Is × Î
A S | Show all | structure of the second s |
| Name Process

 | month month <th< th=""><th>Text Text <th< th=""><th>TEL_Linear_B
C in
imum Likeline
Melbourn
File Edit
C in
File Zit
C in
file Zit
C in
File Zit</th><th>bp ^
begression x /
docs.google.com
b M Graal E
view Insert F
100% v \$</th><th> Melbox Colab Note Mispreadshi YouTube FULL A Format Dat 0_0 </th><th>ime.zip
books - Geogle
beets/d/luE9-w
♀ Maps
a Tools Ext
0 123 ↓ Def</th><th>A Melbou
X A Melbou
OL-FKABkeiPOIC
Breast_Cancer_Hi
tensions Help
tensions Help</th><th>ne_Linear_Regn
mHlump7tXw
. E Program
Last edit was:
V B Z</th><th>si completed at test x the Meto test x test x</th><th>sune_housing_FULL
diningid=11415654
@ YouTube () C
⊞ E3 + ≣ +</th><th>× © Lines
55
± × ÷ × №</th><th>r_Rige_Lasso.ip
. ■ Medical D
•• co (1) @</th><th>nb × k M
ata Scie k
,</th><th>Helbourre Housi
Bral'S2020 Data
R</th><th>ng Marker X
()</th><th>Show all + Cother Boo</th><th>× ×</th></th<></th></th<>

 | Text Text <th< th=""><th>TEL_Linear_B
C in
imum Likeline
Melbourn
File Edit
C in
File Zit
C in
file Zit
C in
File Zit</th><th>bp ^
begression x /
docs.google.com
b M Graal E
view Insert F
100% v \$</th><th> Melbox Colab Note Mispreadshi YouTube FULL A Format Dat 0_0 </th><th>ime.zip
books - Geogle
beets/d/luE9-w
♀ Maps
a Tools Ext
0 123 ↓ Def</th><th>A Melbou
X A Melbou
OL-FKABkeiPOIC
Breast_Cancer_Hi
tensions Help
tensions Help</th><th>ne_Linear_Regn
mHlump7tXw
. E Program
Last edit was:
V B Z</th><th>si completed at test x the Meto test x test x</th><th>sune_housing_FULL
diningid=11415654
@ YouTube () C
⊞ E3 + ≣ +</th><th>× © Lines
55
± × ÷ × №</th><th>r_Rige_Lasso.ip
. ■ Medical D
•• co (1) @</th><th>nb × k M
ata Scie k
,</th><th>Helbourre Housi
Bral'S2020 Data
R</th><th>ng Marker X
()</th><th>Show all + Cother Boo</th><th>× ×</th></th<>
 | TEL_Linear_B
C in
imum Likeline
Melbourn
File Edit
C in
File Zit
C in
file Zit
C in
File Zit | bp ^
begression x /
docs.google.com
b M Graal E
view Insert F
100% v \$
 | Melbox Colab Note Mispreadshi YouTube FULL A Format Dat 0_0
 | ime.zip
books - Geogle
beets/d/luE9-w
♀ Maps
a Tools Ext
0 123 ↓ Def | A Melbou
X A Melbou
OL-FKABkeiPOIC
Breast_Cancer_Hi
tensions Help
tensions Help
 | ne_Linear_Regn
mHlump7tXw
. E Program
Last edit was:
V B Z
 | si completed at test x the Meto test x | sune_housing_FULL
diningid=11415654
@ YouTube () C
⊞ E3 + ≣ + | × © Lines
55
± × ÷ × №
 | r_Rige_Lasso.ip
. ■ Medical D
•• co (1) @ | nb × k M
ata Scie k
, | Helbourre Housi
Bral'S2020 Data
R | ng Marker X
()
 | Show all + Cother Boo | × × |
| construct 5 trans/S 2 h Mid000 S Biggin S12201 1 S V001 2 h 1 h 0 definited 355 multip 2 h Mid000 S Biggin S12201 1 S V001 2 h 1 h 0 definited 355 multip 2 h Mid000 SS Biggin CV2016 2 S V007 2 h 1 h 0 definited 35 multip 3 h Mid000 SSP Biggin CV2016 2 S V07 3 2 1 h definited 35 multip 3 h Mid000 SSP Biggin CV2016 2 S V07 3 2 1 h definited 35 multip 3 h Mid000 SSP Biggin CV2016 2 S V07 3 1 2 2 V0 definited S h S Biggin CV2016 2 S V07 3 1 2 2 V0 P P Didddd Diddddd/td/dd/dd/dd/dd/dd/dd/dd/dd/dd/dd/d

 | Butter Stands 2 H40005 Biggin 2110216 2 1 1 0 Butter Stands

 | a 9 140000 9 9 13000 15 100 1 <

 | TEL_Linear_B
C (a)
imum Likeliho.
Melbour
File Edit
C (b) P
(f) fx
A | bp ^
begression x d
docs.google.com
b M Graal E
rme_housing_F
View Insert F
100% \$
8
8
8
8
8
8
8
8
8
8
8
8
8 | Colab Note Colab Note Colab Note N/spreadshi YouTube FULL So .00 C Roama
 | ecoks - Geogle
beoks - Geogle
bets/d/10E9-w
Maps III
a Tools Ext
0 123 - Def
 | A Melbour
 | ne_Linear_Regn
mHlump7DXw
. Ell Program
Last edit was:
. B Z | es x the Method at a manual set of | sume_bousing_FULL
datagid=11415654
@ YouTube () C
B E E + E +
 | x co Lines
55
± + 1+ + 5
Distance | r_Rige_Lassolp
- ■ Medical D
- GO II @
- J | mb \times k M
ata Scie k
\sim^3
] $\nabla \cdot \Sigma \cdot$
K
Backmon 2 | Helbourne Housi
Braf S2020 Data
 | ng Marker X
D Arker X
IS * 1
IS * 1
M
M
Car | Show all + | × × |
| Addred 23 Biosning S 2 h 900000 S Biggin 64002016 25 8007 2 1 0 Addred SEBNINGS 2 h 900000 S Biggin 64002016 25 8007 3 2 1 0 Addred SCANIS 3 h 1460000 SP Biggin 64002016 25 8007 3 2 1 0 Addred SCANIS 3 h 1460000 SP Biggin 64002016 25 8007 3 2 1 0 Addred SCANIS 4 h SSAN Hetan 66400216 25 8007 3 2 2 0 Addred SCANIS 2 h S Colina 66402016 25 8007 3 2 2 0 Addred 12 h S Colina 66402016 25 8007 2 1 1 1 1 1 1 1 1 1 1<

 | Link Sources Link Link <thlink< th=""> Link Link <</thlink<>

 | 4 2 1 100000 S Biggin 04000010 2 50001 2 1 0 6 2 2 1 0 VIB Nunch 04000010 2 5001 3 2 1 0 6 4550x16x1 3 1 100000 VB Biggin 04000010 25 5001 3 2 1 0 6 4550x16x1 3 1 6000010 25 5001 3 2 1 0 6 456x16x1 1 80000010 80gin 04000010 25 5001 3 2 2 9 6 511um 45 2 1 8 Biggin 04000010 25 5001 3 2 2 9 6 1210 binks 2 1 8 Callen 0600010 25 5001 3 2 2 1 9 1210 binks 2 1 8 Biggin 10100010 25 5007 2 1 1 1

 | EL_Linear_B
C (i)
murr Likeline.
Melbourr
File Edit
C (i)
A
borb
borb | bp ^
decs.google.com
 | Colab Note Colab Note m/spreadshi Colab Rote FULL C Rooms C Rooms
 | trme.zip
brooks - Google
brooks - Google
brooks - Google
brooks - Google
brooks - Google
brooks - Google
a Tools Ext
a Tools Ext
0 123 - Def
Type
2 b
 | A Mebou ClFkABke/POIC Breast_Cancer_H Breast_Cancer_H Inut (An v 10 E Price
 | ne_Linear_Regn
mHlump7tXw
B Z
F
Method
SS | es x and the second se | sume_housing_FULL
solitegids:141565&
■ Youlide ① Collect
H
Date
Quappers
 | x co Lines
555
± + + + 5
I
Distance | Ridge_Lasso ipp Medical D Co (1) (a) J Postcode S quar | nb x k M
ata Scie k
γ ³
] Ψ - Σ -
K
Bedroom2 | Helbourne Housk
Brall S2020 Data
L
Bathroom
2
 | ng Marker X
(1) (2)
(3)
(4)
(4)
(4)
(4)
(4)
(4)
(4)
(4 | Show all + + • • • • • • • • • • • • • • • • • | × × |
| backed UBS9 Vacues 1 u month VB month Control 1

 | Used Model S Model Coll

 | 4 1 1 10 Renda 2400000 25 3007 2 2 1 6 1 1 1 10 Renda 2400000 25 3007 2 2 1 6 4 4 1 1 1 2 307 3 2 1 6 4 4 1 6 1 5 3007 3 2 1 6 4 4 1 1 1 5 3007 3 2 2 9 6 4 1 1 1 1 5 3007 3 2 2 9 6 1

 | REL_Linear_B
C in
murr Likeline.
Melbourn
File Edit
C file Edit
C file Edit
C file Edit
C file Edit | Arression X & docs.google.com | Colab Note Colab Note m/Ispreadshi YouTube FULL \$ Format Dat S. 0_ 0 Rooms
 | errezip
books - Geogle
books - Geogle
bo | A Methou X & Methou X & Methou X & Methou Second Content of the sec
 | re_Linear_Regn
mHlump7tXw
. Eiii Program
Last edit was:
* B Z
F
Method
SS
 | es x Mebo
Avring I Nob
Shours ago
SollerG
Jellis | trans_boxing_FULL trans_boxing_FULL dringid=11415654 Youlube Youlube Youlube H Date 0x0092016 3122010 | × CO Lines
55
± + I+ + ₹
Distance
2.
 | ■ Ridge_Lasso.jp; ■ Medical D → co II @ J Postcode 5 306; | nb × k M
ata Scie k
~ ³
] Ψ + Σ +
K
Bedroom2 | Hebcurre Housi
Brat S2020 Data
III (
Bathroom
2 | ng Market X
 | Show all | x x |
| booted 3 h 1 450000 59 8ggar 640000171 2.5 3007 3 2 1 booted 456 whorks 3 h 1 800000 70 9 3 2 1 2 3007 3 2 1 2 1 1 2 3 2 1 2 1 1 2 1 2 1 1 2 1 2 1 1 2 2 1 2 2 1 1 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 1

 | bits Solute S Solution Soluti Solution Solution Solution Solution Soluti Soluti S

 | S Check 3 3 h 14600 39 Biggin 6400001 2.5 3007 3 2 1 6 AFreetriku Li 3 h 65000 19 Biggin 64000011 2.5 3007 3 2 1 6 AFreetriku Li 3 h 65000 19 Biggin 64000011 2.5 3007 3 2 1 6 Markan 06400011 2.5 3007 3 2 2 9 7 Markan 06400011 2.5 3007 3 2 2 9 8 Staturd 8 2 h S Cafes 0660011 2.5 3007 3 2 2 1 9 Markan 8 2 h S Cafes 0660011 2.5 3007 3 2 1 4 1200-bitks 8 2 h Hittas 8 h Wittas 8 1 Wittas 8 1 1 1 2 <t< td=""><td>EL_Linear_B
C in
murr Likeliho.
Melbourr
File Edit
C file Edit
C file Edit
C file Edit
C file Edit</td><td>bp ^
Aegression X &
docs.google.com
 M Graal E
Trne_housing_F
View Insert F
100% ~ \$
8
Address
63 Studiey St
65 Turner St
25 Boosture St</td><td>b melbox
Colab Note
m/spreadshi
FULL &
Format Dat
& 0_0
C
Rooms</td><td>trme.zip
books - Geogle
bets/d/1uE9-w
♥ Maps
a Tools Ext
0
Type
2 h
2 h
2 h</td><td>A A Melbou X A Melbou OL-FILABiopPOIQ DI-FILABiopPOIQ IBreat_Cancer_H Intersions Help Intersions Help Price Price Price fast f</td><td>ne_Linear_Regn
mHbump7tXw
. E Program
Last edit was
. B Z
F
Method
SS
S000 S</td><td>s compared at
s 22mkZybFgV4/e
vring ≧ Mab:
25hours age
6
5hours age
6
5ellerG
3ells
Biggin</td><td>aume_housing_F0LL
valinēgid=114156564</td><td>x co Lines
55
Lassification-of-
J x I + v 1+ v 15
Distance
2.
2.
2.</td><td> Ridge_Lasso.ip CO (E) (a) Postcode 306 306 306 </td><td>nt x k M
ata Scie k
\sim^{s}
] $\nabla = \Sigma =$
K
Bedroom2</td><td>Elibourre Housie
Bral'S2020 Data
Elimente
Bathroom
2
2</td><td>ng Marker X
() () ()
() () () ()
() () () () ()
() () () () () ()
() () () () () () () () () ()
() () () () () () () () () () () () () (</td><td>Show all</td><td>x x x x x x x x x x x x x x x x x x x</td></t<>
 | EL_Linear_B
C in
murr Likeliho.
Melbourr
File Edit
C file Edit
C file Edit
C file Edit
C file Edit
 | bp ^
Aegression X &
docs.google.com
M Graal E
Trne_housing_F
View Insert F
100% ~ \$
8
Address
63 Studiey St
65 Turner St
25 Boosture St | b melbox
Colab Note
m/spreadshi
FULL &
Format Dat
& 0_0
C
Rooms
 | trme.zip
books - Geogle
bets/d/1uE9-w
♥ Maps
a Tools Ext
0
Type
2 h
2 h
2 h | A A Melbou X A Melbou OL-FILABiopPOIQ DI-FILABiopPOIQ IBreat_Cancer_H Intersions Help Intersions Help Price Price Price fast f
 | ne_Linear_Regn
mHbump7tXw
. E Program
Last edit was
. B Z
F
Method
SS
S000 S
 | s compared at
s 22mkZybFgV4/e
vring ≧ Mab:
25hours age
6
5hours age
6
5ellerG
3ells
Biggin | aume_housing_F0LL
valinēgid=114156564 | x co Lines
55
Lassification-of-
J x I + v 1+ v 15
Distance
2.
2.
2.
 | Ridge_Lasso.ip CO (E) (a) Postcode 306 306 306 | nt x k M
ata Scie k
\sim^{s}
] $\nabla = \Sigma =$
K
Bedroom2 | Elibourre Housie
Bral'S2020 Data
Elimente
Bathroom
2
2 | ng Marker X
() () ()
() () () ()
() () () () ()
() () () () () ()
() () () () () () () () () ()
() () () () () () () () () () () () () (| Show all
 | x x x x x x x x x x x x x x x x x x x |
| Booled Off Statute Sta

 | Used 48 Februarishi 3 h 850000 PI Biggin 0x0002011 2.5 3007 3 2 1 Used 48 Februarishi 4 h 190000 VB Network 0x0002011 2.5 3007 3 2 1 Used 56 Minus S 4 h 190000 VB Network 0x0002018 2.5 3007 3 2 2 1 Used 56 Minus S 2 h 5 5007 3 2 2 1 1 2 3 2 2 1 1 2 3 2 1 1 2 3 3 2 2 1 1 1 2 3 3 2 2 1 1 1 2 3 3 2 1 1 1 2 3 3 2 1 1 1 2 3 3 2 1 1 1 1 1 1 2

 | d 4 4 4 4 4 4 4 4 5

 | EL_Linear_B
C in
murr Likeliho
Melbourr
File Edit
C file Edit
C file Edit
C file Edit
C file Edit
C file Edit | bp ^
decression X &
decrs.google.com
A. M Graal E
160% Studies St
65 St | b melbox
Colab Note
m/spreadsho
a YouTube
FULL ☆
FOULL ☆
Rooma
 | trme.zip
books - Geogle
etsts[d]/luE9-w
♥ Maps □
E | A
 | ne_Linear_Regn
mHlump7tXw
. Ell Program
. B Z
Method
SS
200 S
VB
 | es compared at
es x Mobility Mobility Mobility
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiybFgVA(e
127nkZiy | 111/21 FM 20176_Bousing_FULL 20176_Bousing_FULL 201766 201766 1021 1021 1021 1021 1021 1021 1021 1021 102 1021 1021 1021 1021 1021 1021 1021 102 1021 102 1021 102
102 102 102 102 102 102 102 102 102 102 102 102 102 102 102 102 102 | X CO Lines
55
L + L + L + V
Distance
2
2
2
2 | ■ Ridge_Lasso ipp ■ Medical D → co E g J Postcode 5 306 5 306 5 306 | nb × k M
ata Scie k
γ*
] Υ ~ Σ ~
K
Bedroom2 | Braf S2020 Data
 | ng Marker: X | Show all + + • • • • • • • • • • • • • • • • • | i x |
| Model Starting 4 h Model Model Construct

 | Image: Section of the sectio

 | 3 Sarpak B 4 1 100000 VB 4 2 00000 VB 2 0 4 0 0 00000 VB 2 0 4 0 0 0 00000 VB 2 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 | TEL_Linear_R
C in
mum Likeliho.
Melbourn
File Edit
A
bourb
botsford
botsford
botsford
botsford
 | bp ^
Argression X &
docs.google.com
A. M Graal E
Trne_housing_F
View Insert F
160% View Insert F
160% View Insert St
25 Biomtury St
25 Biomtury St
18859 Vietnis S
18859 Vietnis S | Colab Note
Colab Note
m/spreadshu
TouTube
FULL \$\overline
Format Dat
\$\overline
C
Rooms
 | erre.zip
broks - Geogle
broks - Geogle
brok | A Method X &
 | re_Linear_Regr
mHIamp7tXw
Emprogram
Last edit was :
* B_Z
Method
SS

 | es compared at
es x a Mebo
u27nkZybFgV4/e
NDA
Shours ago
c A A
SelerG
Aelis
Biggin
Biggin
Biggin | Intra PAM | × co Line
55
⊥ + + + 5
Distance
2.
2.
2.
2. | | nb × k M
ata Scie k
γ ³
] Υ + Σ +
Bedroom2
 | Lebourre Housi
Brat S2020 Data
Bathroom
2
2
3
3 | ng Market X | Show all + + + | ckmark
Ckmark
C
C
C
C
C
C
C
C
C
C
C
C
C
C
C
C
C
C
C |
| Control Missing B 1 h Missing B 1 h S S S S S Missing B 2 h S COMM G0002016 2 S S S 2 h S COMM G0002016 2 S S S 2 h 1 h S COMM G0002016 2 S S S 2 h 1 h S COMM G0002016 2 S S S 2 h 1 h D <thd< th=""> <thd< th=""> D</thd<></thd<>

 | Addrey Einsteige Annows Network Geodesize 2.5 3007 3 2 2 0 defed 51 Mure St 2.h 5 Bage 60002018 2.5 3007 3 2 2 0 defed 31 Jure St 2.h 5 Bage 60002018 2.5 3007 4 2 0 defed 31 Jure St 2.h 45 Colvina 00002018 2.5 3007 3 2 1 0 defed 12 Jure St 2.h 441000 A alia 0702018 2.5 3007 4 2 0 defed 12 Jure St 3.h H10000 S Alia 0702018 2.5 3007 2 1 1 defed 12 Jure St 3.h W102016 2.5 3007 2 1 2 1 2 1 1 1 1 1 1 1 1 1 1

 | Image: State State Image: State State Image: State State I

 | International In | bp ^
docs.google.com
M Graal C
View Insert F
160% - S
4
4
4
4
5
160% - S
5
160% - S
160% - | Colab Note
m/spreadshi
Proutube
FULL \$\$.00
C
Rooms
 | errezip
broks - Google
brots/d/luE9-w
∳ Maps
E | A Metbou X ▲ Metbou X ▲ Metbou SetExt Ancer, H Breast_Cancer, H Breast_Cancer, H Breast_Cancer, H SetExt (An., ~ 10 Ferce 1480 1035 1035 1465 across
 | ne_Linear_Regn
mHlump7tXw
. E Program
. B Z
F
Method
SS
S00 S
VB
00 S
VB
00 S
VB
00 S
 | ei x I Meib-
u27nkZlybFgV4/e
vriing III NDA
Shours.ago
☆ <u>A</u> <u>A</u>
SellerG
Jeliggin
Biggin
Biggin | Invalige | x CO Lines
555
1 × 1+ × 5
1
Distance
2
2
2
2
2
2
2
2
2 | r_Ridge_Lasso.jp; r- co □ @
Postcode
5 3065
5 3065
 | nb x k M
ata Scie k
 | Elibourne Housia
Braf S2020 Data
III (
Bathroom
2
2
2
3
3
3
3 | ng Marker X
⊕ ☆
Hs × E
K ⊕ 1
1
1
2
2 | Shew all + + + | xxx xx
 |
| Addidid S Biggin Coloradia Coloradia <thcoloradia< th=""> Coloradia <thcoloradia< td="" th<=""><td>Norm 0 5 Byp 00000200 2.1 3007 5 1 2 90 Turnet B 2.5 3 5 5 5 5 5 1 3007 5 1</td><td>8. Shurut S 2.h 5 5007 2.h 3.h 1.h 1.h 1.h 1.h</td><td>PTEL_Linear_R C in information C in information inform in</td><td>bp ^
docs.google.com docs.google.com M Grail @ trine_housing_F tries_housing_F tries_housing_F tries_total S Turners 1: S Boonburg S tal659 Victoria S S Charles S S Charles S S Charles S D Charles S P Charles C S Charles S P Charles C S Charles S P Charles C S P C Charles C S P C Charles C S P C C C P C C P C C C P C C</td><td>Colub Note Colub Note m/spreadshi YouTube FULL ☆ Format Dat % .00 C Rooms C</td><td>trocks - Geogle
books - Geog</td><td>A Melbour X & Melbour X & Melbour X & Melbour Bread, Cancer, Hi Instit (An., v) 10 E Price Price 1480 1035 1465 850 spon spon</td><td>me_Linear_Regn
mHiump7tXw
_ Ell Program
</td><td>s Compared at the set of the set o</td><td>Interference Interference Interference</td><td>× CO Lines
555
± + + + + ト
Distance
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2</td><td> ■ Ridge_Lasso.jpp ■ Medical D J Postcode 5 3066 </td><td>nt x k M
ata Scie k
γ*
] $\nabla = \Sigma =$
K
Bedroom2</td><td>lebcurre Housi
Braf S2020 Data
Bathroom
2
2
3
3
3
3</td><td>Imp Marker X 1 1 1 1 2 2 1 1</td><td>Show all + + +</td><td>x x x x x x x x x x x x x x x x x x x</td></thcoloradia<></thcoloradia<>
 | Norm 0 5 Byp 00000200 2.1 3007 5 1 2 90 Turnet B 2.5 3 5 5 5 5 5 1 3007 5 1

 | 8. Shurut S 2.h 5 5007 2.h 3.h 1.h 1.h 1.h 1.h

 | PTEL_Linear_R C in information C in information inform in | bp ^
docs.google.com docs.google.com M Grail @ trine_housing_F tries_housing_F tries_housing_F tries_total S Turners 1: S Boonburg S tal659 Victoria S S Charles S S Charles S S Charles S D Charles S P Charles C S Charles S P Charles C S Charles S P Charles C S P C Charles C S P C Charles C S P C C C P C C P C C C P C C | Colub Note Colub Note m/spreadshi YouTube FULL ☆ Format Dat % .00 C Rooms C
 | trocks - Geogle
books - Geog | A Melbour X & Melbour X & Melbour X & Melbour Bread, Cancer, Hi Instit (An., v) 10 E Price Price 1480 1035 1465 850 spon spon
 | me_Linear_Regn
mHiump7tXw
_ Ell Program

 | s Compared at the set of the set o | Interference | × CO Lines
555
± + + + + ト
Distance
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2 | ■ Ridge_Lasso.jpp ■ Medical D J Postcode 5 3066 | nt x k M
ata Scie k
γ*
] $\nabla = \Sigma =$
K
Bedroom2
 | lebcurre Housi
Braf S2020 Data
Bathroom
2
2
3
3
3
3 | Imp Marker X 1 1 1 1 2 2 1 1 | Show all + + + | x x x x x x x x x x x x x x x x x x x |
| Control C </td <td>State 9 Turn & S 2 h 5 Curine Constant Control 2 h 5 Curine Control 2 h 6 Curine Control 2 h <th<< td=""><td>a b Control 2.5 SSOP 1 2 SSOP 1 2 SSOP 1</td><td>TEL_LINNER, RA
C
C
E
C
E
C
E
C
E
C
E
C
E
C
E
C
E
C
E</td><td>bp ^
docs.google.com
 M Graal E
 M Grad B
 M G
 M G
</td><td>inelboc Colab Nation (Colab National) المحالي محالي محال
محالي محالي محالي
محالي محالي محاليمحالي محالي م</td><td>books - Google
books - Google
books - Google
books - Google
wets/d/1uE9-w
♀ Maps
123 ~ Def
0
123 ~ Def
0
123 ~ Def
2 h
2 h
3 u
3 h
3 h
4 h</td><td>A Mellow X A Mellow X A</td><td>re_Linear_Rego
mHbmp7tXw
. E Program
* B Z
Method
SS
WB
000 S
VB
000 S
VB
000 S
VB
000 S
VB
000 S
VB
000 S
VB
000 S
VB
000 S</td><td>es × II Mebb
227nkZiybFgVA/c
227nkZiybFgVA/c
Shours ago
• ← A
SelterG
Aelis
Biggin
Biggin
Biggin
Nisson
Nisson</td><td>Invaligne _Bouring_FULL Sume_Bouring_FULL Sume_Bouring_FULL Sume_Bouring_FULL Walke Youlide Youl</td><td>x co Lines
55
1 ↓ + + + 5
1
Distance
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2</td><td> ■ Medical D ■ Medical D ■ Postcode > 3065 </td><td>nb x k M
ata Scie k
~³
] Ϋ + Σ +
Bedroom2</td><td>Elbourne Housi
Bral 52020 Data
Bral 52020 Data
Bathroom
2
2
2
3
3
3
3
3
3
3</td><td>hg Markel X X
() () () () () () () () () () () () () (</td><td>Shew all +<</td><td>× × ×</td></th<<></td>
 | State 9 Turn & S 2 h 5 Curine Constant Control 2 h 5 Curine Control 2 h 6 Curine Control 2 h <th<< td=""><td>a b Control 2.5 SSOP 1 2 SSOP 1 2 SSOP 1</td><td>TEL_LINNER, RA
C
C
E
C
E
C
E
C
E
C
E
C
E
C
E
C
E
C
E</td><td>bp ^
docs.google.com
 M Graal E
 M Grad B
 M G
 M G
</td><td>inelboc Colab Nation (Colab National) المحالي محالي محال
محالي محالي محالي
محالي محالي محاليمحالي محالي م</td><td>books - Google
books - Google
books - Google
books - Google
wets/d/1uE9-w
♀ Maps
123 ~ Def
0
123 ~ Def
0
123 ~ Def
2 h
2 h
3 u
3 h
3 h
4 h</td><td>A Mellow X A Mellow X A</td><td>re_Linear_Rego
mHbmp7tXw
. E Program
* B Z
Method
SS
WB
000 S
VB
000 S
VB
000 S
VB
000 S
VB
000 S
VB
000 S
VB
000 S
VB
000 S</td><td>es × II Mebb
227nkZiybFgVA/c
227nkZiybFgVA/c
Shours ago
• ← A
SelterG
Aelis
Biggin
Biggin
Biggin
Nisson
Nisson</td><td>Invaligne _Bouring_FULL Sume_Bouring_FULL Sume_Bouring_FULL Sume_Bouring_FULL Walke Youlide Youl</td><td>x co Lines
55
1 ↓ + + + 5
1
Distance
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2</td><td> ■ Medical D ■ Medical D ■ Postcode > 3065 </td><td>nb x k M
ata Scie k
~³
] Ϋ + Σ +
Bedroom2</td><td>Elbourne Housi
Bral 52020 Data
Bral 52020 Data
Bathroom
2
2
2
3
3
3
3
3
3
3</td><td>hg Markel X X
() () () () () () () () () () () () () (</td><td>Shew all +<</td><td>× × ×</td></th<<>
 | a b Control 2.5 SSOP 1 2 SSOP 1 2 SSOP 1

 | TEL_LINNER, RA
C
C
E
C
E
C
E
C
E
C
E
C
E
C
E
C
E
C
E | bp ^
docs.google.com
M Graal E
M Grad B
M G
M G
 | inelboc Colab Nation (Colab National) المحالي محالي محال
محالي محالي محالي
محالي محالي محاليمحالي محالي م
 | books - Google
books - Google
books - Google
books - Google
wets/d/1uE9-w
♀ Maps
123 ~ Def
0
123 ~ Def
0
123 ~ Def
2 h
2 h
3 u
3 h
3 h
4 h | A Mellow X A
 | re_Linear_Rego
mHbmp7tXw
. E Program
* B Z
Method
SS
WB
000 S
VB
000 S
VB
000 S
VB
000 S
VB
000 S
VB
000 S
VB
000 S
VB
000 S
 | es × II Mebb
227nkZiybFgVA/c
227nkZiybFgVA/c
Shours ago
• ← A
SelterG
Aelis
Biggin
Biggin
Biggin
Nisson
Nisson | Invaligne _Bouring_FULL Sume_Bouring_FULL Sume_Bouring_FULL Sume_Bouring_FULL Walke Youlide Youl | x co Lines
55
1 ↓ + + + 5
1
Distance
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
 | ■ Medical D ■ Medical D ■ Postcode > 3065 | nb x k M
ata Scie k
~ ³
] Ϋ + Σ +
Bedroom2 | Elbourne Housi
Bral 52020 Data
Bral 52020 Data
Bathroom
2
2
2
3
3
3
3
3
3
3 | hg Markel X X
() () () () () () () () () () () () () (| Shew all +<
 | × × × |
| Adduid 129 Churles St 2 h 641000 S Addia 070502016 2 S 8007 2 1 0 + Adduid 114 furm S 3 h 187000 S Melon 070502016 2 S 8007 2 1 0 + Adduid 117 Septinel S 4 h 199 Biggin 77102016 2 S 8007 2 2 1 0 + Adduid 117 Septinel S 4 h 199 Biggin 77102016 2 S 3007 2 2 1 0 2 5 3007 2 2 1 1 2 5 3007 2 2 1 1 2 5 3007 2 1 2 <td>bits 10 Devines 1 9 devines 10 Devines 1 10 Devines 10 Devine 10 Devine<td>102 Double S 2.h 94100.5 Auto 07050000 2.5 5007 2 1 0 112 Double S 3.h 1950005 8.Head 07050000 2.5 5007 2 1 0 112 Tob Maximo 2.u P Biggin 1710504 2.5 5007 2 2 0 + 112 Tob Maximo 2.u P Biggin 1710504 2.5 5007 2 2 1 112 Tob Maximo 2.h 1 W Biggin 1710504 2.5 5007 2 2 1 112 Tob Maximo 2.h 1 W Biggin 1710504 2.5 5007 2 1 1 112 Maximo S 3.h 190000 S Aute 8100204 2.5 5007 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td><td>IEL_LINER.B
C Internet Reflection
File Edit
A
A
Auburb
boostford
boostford
boostford
boostford
boostford</td><td>Arrows and a second sec</td><td>melboc Coae heater mispreadshing Solution Coae heater Coae heater</td><td>books - Geogle
books - Geogl</td><td></td><td>me_Linear_Repr
mHlump7tXw
. E Program
. B Z
Method
SS
S00 S
VB
WB
VB
VB
VB
SS
SN
SS
SN
SS
SN
SS
SN
SS</td><td>is compared at in x i Mob azrnkZrjbFgVA(vring ≧ NOA Shourt ago</td><td>Interference Interference Interference</td><td>× co Line
55
1 + 1 + 5
1
Distance
2
2
2
2
2
2
2
2
2
2
2
2
2</td><td> Fige_Lasso.ip Medical D Medical D Webcal B 306 3065 </td><td>nb x k M
ata Scie k
γ γ τ Σ τ
Redroom2</td><td>lebcarre Housi
Braf S2020 Data
Braf S2020 Data
Bathroom
2
2
3
3
3
3
3
4</td><td>ng Marine X
☆ ☆
sc</td><td>Show all + + +</td><td>× × ×</td></td>
 | bits 10 Devines 1 9 devines 10 Devines 1 10 Devines 10 Devine 10 Devine <td>102 Double S 2.h 94100.5 Auto 07050000 2.5 5007 2 1 0 112 Double S 3.h 1950005 8.Head 07050000 2.5 5007 2 1 0 112 Tob Maximo 2.u P Biggin 1710504 2.5 5007 2 2 0 + 112 Tob Maximo 2.u P Biggin 1710504 2.5 5007 2 2 1 112 Tob Maximo 2.h 1 W Biggin 1710504 2.5 5007 2 2 1 112 Tob Maximo 2.h 1 W Biggin 1710504 2.5 5007 2 1 1 112 Maximo S 3.h 190000 S Aute 8100204 2.5 5007 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td>IEL_LINER.B
C Internet Reflection
File Edit
A
A
Auburb
boostford
boostford
boostford
boostford
boostford</td> <td>Arrows and a second sec</td> <td>melboc Coae heater mispreadshing Solution Coae heater Coae heater</td> <td>books - Geogle
books - Geogl</td> <td></td> <td>me_Linear_Repr
mHlump7tXw
. E Program
. B Z
Method
SS
S00 S
VB
WB
VB
VB
VB
SS
SN
SS
SN
SS
SN
SS
SN
SS</td> <td>is compared at in x i Mob azrnkZrjbFgVA(vring ≧ NOA Shourt ago</td> <td>Interference Interference Interference</td> <td>× co Line
55
1 + 1 + 5
1
Distance
2
2
2
2
2
2
2
2
2
2
2
2
2</td> <td> Fige_Lasso.ip Medical D Medical D Webcal B 306 3065 </td> <td>nb x k M
ata Scie k
γ γ τ Σ τ
Redroom2</td> <td>lebcarre Housi
Braf S2020 Data
Braf S2020 Data
Bathroom
2
2
3
3
3
3
3
4</td> <td>ng Marine X
☆ ☆
sc</td> <td>Show all + + +</td> <td>× × ×</td>
 | 102 Double S 2.h 94100.5 Auto 07050000 2.5 5007 2 1 0 112 Double S 3.h 1950005 8.Head 07050000 2.5 5007 2 1 0 112 Tob Maximo 2.u P Biggin 1710504 2.5 5007 2 2 0 + 112 Tob Maximo 2.u P Biggin 1710504 2.5 5007 2 2 1 112 Tob Maximo 2.h 1 W Biggin 1710504 2.5 5007 2 2 1 112 Tob Maximo 2.h 1 W Biggin 1710504 2.5 5007 2 1 1 112 Maximo S 3.h 190000 S Aute 8100204 2.5 5007 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

 | IEL_LINER.B
C Internet Reflection
File Edit
A
A
Auburb
boostford
boostford
boostford
boostford
boostford | Arrows and a second sec | melboc Coae heater mispreadshing Solution Coae heater
 | books - Geogle
books - Geogl |
 | me_Linear_Repr
mHlump7tXw
. E Program
. B Z
Method
SS
S00 S
VB
WB
VB
VB
VB
SS
SN
SS
SN
SS
SN
SS
SN
SS
 | is compared at in x i Mob azrnkZrjbFgVA(vring ≧ NOA Shourt ago | Interference | × co Line
55
1 + 1 + 5
1
Distance
2
2
2
2
2
2
2
2
2
2
2
2
2
 | Fige_Lasso.ip Medical D Medical D Webcal B 306 3065 | nb x k M
ata Scie k
γ γ τ Σ τ
Redroom2 | lebcarre Housi
Braf S2020 Data
Braf S2020 Data
Bathroom
2
2
3
3
3
3
3
4 | ng Marine X
☆ ☆
sc | Show all + + +
 | × × × |
| bodshidi 124 Yamu Si, 3 h 1876000 S Nelson 007562236 2.5 3007 4 2 0 bodshidi 12105 McKotasi 2 u PI Biggin 77102716 2.5 3007 4 2 0 bodshidi 2 U PI Biggin 77102716 2.5 3007 2 2 1 bodshidi 8 Doutine SI 4 N Boggin 77102716 2.5 3007 2 2 1 bodshidi 2 Tit Ampriles 3 h 1000000 S Nelson 81020716 2.5 3007 2 2 2 bodshidi 2 Tit Ampriles 3 h 1000000 S Aelia 81020716 2.5 3007 2 2 2 bodshidi 2 h 1090000 S Biggin 81020716 2.5 3007 1 1 1 1 bodshidi 2 h 1090000 S Biggin 8102016 2.5 3007 2 <td>ubro 12 Yana B. 3 h 187000 S Netkorn 07050016 2 S 3007 4 2 0 + ubro 12 Yana B. 3 h 187000 S Netkorn 07050016 2 S 3007 2 2 1 ubro 17 Agrata B. 4 h YM Bigsin 7710016 2 S 3007 2 2 1 2 ubro 17 Agrata B. 4 h 160000 S Netkorn 0100216 2 S 3007 2 2 1 ubro 12 Vision S 14 100000 S Aute 100216 2 S 3007 1</td> <td>1 13 13 1370001 Nacon 07050216 15 3307 4 2 0 4 1 11556 Motiona 2 1 11566 Motiona 2 0 1 4 1 0 0 1 1 0 1</td> <td>TEL_LINER_A</td> <td>bp ^
docs.google.com
 M Grail C
trime_housing_F
View Insert F
1001 S
Address
66 Studiey St
65 Tumer St
25 Bioenthurg S
16565 Victors St
40 Preferation
55 Park St
16 Margie S
53 Tumer St
93 Tumer St</td> <td> melboc Coue Nete Coue Nete Coue Nete Toulube Toulube Toulube Cours Cours Cours </td> <td>trezip teoris - Geogle teoris teoris</td> <td>A Mellow X ▲ Mellow OL-FkABkelPOIC DL-FkABkelPOIC Breast_Cancer_H Ensult (An + 10 E Price 1488 1005 1465 8500 1600</td> <td>re_linear_Regress
mHitmp70Xw
Last cdit was:
P B Z
V
Wethod
SO S
S
S
S
S
S
S
S
S
S
S
S
S
S
S
S
S
S</td> <td>es X II Meb-
227/k27/y5/gV4/e
227/k27/y5/gV4/e
227/k27/y5/gV4/e
227/k27/y5/gV4/e
227/k27/y5/gV4/e
327/k27/y5/gV4/e
5/surstage
6
5/surstage
6
5/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstag</td> <td>2000 - Bouring_FGLL 2000 - Bouring_FGLL 2000 - Bouring_FGL 2000 - Content -</td> <td>x 00 Leen
555
↓
↓ - ↓+ - ♥
1
Distance
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2</td> <td>■ Ridge_Lassolpr
■ GO (2) (2)
■ Vedical D
■ Postcode
5 3066
5 30</td> <td>nb \times k M
ata Scie k
\sim^3
\uparrow $\nabla = \Sigma =$
K
Bedroom2</td> <td>Helistorne Housie Bartinoem 2 2 3 3 3 3 3 3 3</td> <td>ng Market X</td> <td>Shew all + + - - - -</td> <td>x x x x x x x x x x x x x x x x x x x</td>
 | ubro 12 Yana B. 3 h 187000 S Netkorn 07050016 2 S 3007 4 2 0 + ubro 12 Yana B. 3 h 187000 S Netkorn 07050016 2 S 3007 2 2 1 ubro 17 Agrata B. 4 h YM Bigsin 7710016 2 S 3007 2 2 1 2 ubro 17 Agrata B. 4 h 160000 S Netkorn 0100216 2 S 3007 2 2 1 ubro 12 Vision S 14 100000 S Aute 100216 2 S 3007 1

 | 1 13 13 1370001 Nacon 07050216 15 3307 4 2 0 4 1 11556 Motiona 2 1 11566 Motiona 2 0 1 4 1 0 0 1 1 0 1

 | TEL_LINER_A | bp ^
docs.google.com
M Grail C
trime_housing_F
View Insert F
1001 S
Address
66 Studiey St
65 Tumer St
25 Bioenthurg S
16565 Victors St
40 Preferation
55 Park St
16 Margie S
53 Tumer St
93 Tumer St
 | melboc Coue Nete Coue Nete Coue Nete Toulube Toulube Toulube Cours Cours Cours
 | trezip teoris - Geogle teoris | A Mellow X ▲ Mellow OL-FkABkelPOIC DL-FkABkelPOIC Breast_Cancer_H Ensult (An + 10 E Price 1488 1005 1465 8500 1600
 | re_linear_Regress
mHitmp70Xw
Last cdit was:
P B Z
V
Wethod
SO S
S
S
S
S
S
S
S
S
S
S
S
S
S
S
S
S
S
 | es X II Meb-
227/k27/y5/gV4/e
227/k27/y5/gV4/e
227/k27/y5/gV4/e
227/k27/y5/gV4/e
227/k27/y5/gV4/e
327/k27/y5/gV4/e
5/surstage
6
5/surstage
6
5/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstage
8/surstag | 2000 - Bouring_FGLL 2000 - Bouring_FGLL 2000 - Bouring_FGL 2000 - Content - | x 00 Leen
555
↓
↓ - ↓+ - ♥
1
Distance
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2 | ■ Ridge_Lassolpr
■ GO (2) (2)
■ Vedical D
■ Postcode
5 3066
5 30 | nb \times k M
ata Scie k
\sim^3
\uparrow $\nabla = \Sigma =$
K
Bedroom2 | Helistorne Housie Bartinoem 2 2 3 3 3 3 3 3 3
 | ng Market X | Shew all + + - - - - | x x x x x x x x x x x x x x x x x x x |
| backded 12/054 Nethodu 2 u P1 Biggin 711/2016 2.5 3057 2 1 backded 17 Jangfuld S 4 h W Biggin 711/2016 2.5 3057 2 1 backded 17 Jangfuld S 2 h 1500000 S Network 81/2016 2.5 3057 2 1 2 backded 17 Jangfuld S 3 h 1000000 S Allin 81/2016 2.5 3057 2 1 2 backded 17 Jangfuld S 2 h 17 60000 S Allin 81/2016 2.5 3057 1

 | Model U PI Biggin 77102016 2.5 3307 2 2 1 Model 17 Reputed 6 3 9 2 1 2 3 2 2 1 Model 17 Reputed 6 3 3 2 2 1 2 3 3 2 2 1 1 1 1 2 3 3 3 2 2 1 1 1 1 2 1 2 1 1 2 3 3 3 1 2 1 2 3 3 1 2 1 1 1 1 1 1 3 1 <td< td=""><td>d 1155 Modulus 2 </td><td>PTEL_LINEER_R
→ C is
aximum Likeliho.
Melbourn
File Edit
→ fx
Abotsford
Abotsford
Abotsford
Abotsford
Abotsford
Abotsford
Abotsford
Abotsford
Abotsford
Abotsford
Abotsford</td><td>Argension X & d
docs.google.com
Am Grail &
True housing_F
View Insert F
160% - \$
Address
(43 Stativy St
85 Tumer St
25 Biomburg S
50 Park St
16 Marge St
50 Tumer St
19 Tumer St
19 Chatas **</td><td>melboc Coab Nete moltoco Coab Nete moltoco Coab Nete Coab Nete Nete Coab Ne</td><td>trone_zip
thoose - Geogle
tests(d/TuEB-w
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓</td><td>A Method A Method</td><td>re_Linear Regr
mHitmp77Xw
E III Program
* B Z
F
Rethod
SS
00 S
V
SS
00 S
S
S
S
S
S
S
S
S
S</td><td>compared at a compared at a compared at a compared at compare</td><td>Inter Peul Inter Peul</td><td>x (2) Line
55
1 1 - 1 + 7
2
2
2
2
2
2
2
2
2
2
2
2
2</td><td>Fidge_Lasso.ipp Go Go</td><td>nt: x k M
ata Scie k
</td><td>Bathroom
2
2
3
3
3
4
4
2
2</td><td>ng Marker X</td><td>Shew all + + - - - -</td><td>x x x x x x x x x x x x x x x x x x x</td></td<>
 | d 1155 Modulus 2

 | PTEL_LINEER_R
→ C is
aximum Likeliho.
Melbourn
File Edit
→ fx
Abotsford
Abotsford
Abotsford
Abotsford
Abotsford
Abotsford
Abotsford
Abotsford
Abotsford
Abotsford
Abotsford | Argension X & d
docs.google.com
Am Grail &
True housing_F
View Insert F
160% - \$
Address
(43 Stativy St
85 Tumer St
25 Biomburg S
50 Park St
16 Marge St
50 Tumer St
19 Tumer St
19 Chatas ** | melboc Coab Nete moltoco Coab Nete moltoco Coab Nete Coab Nete Nete Coab Ne
 | trone_zip
thoose - Geogle
tests(d/TuEB-w
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ | A Method
 | re_Linear Regr
mHitmp77Xw
E III Program
* B Z
F
Rethod
SS
00 S
V
SS
00 S
S
S
S
S
S
S
S
S
S
 | compared at a compared at a compared at a compared at compare | Inter Peul | x (2) Line
55
1 1 - 1 + 7
2
2
2
2
2
2
2
2
2
2
2
2
2 | Fidge_Lasso.ipp Go
 | nt: x k M
ata Scie k
 | Bathroom
2
2
3
3
3
4
4
2
2 | ng Marker X | Shew all + + - - - - | x x x x x x x x x x x x x x x x x x x |
| Obstabul 17 Saghani Si, 4 h W Biggin 77112016 2.5 9027 6 2 0 Obstabul 2 h 1650000 S Network 6712016 2.5 9027 2 2 Obstabul 271 Longha S 3 h 1000000 S Allen 67102016 2.5 3007 1 1 1 Outside U 271 Longha S 3 h 1000000 S Biggin 81102016 2.5 3007 1 1 1 1 0 <t< td=""><td>totod 11 W Bogin 77102016 2.5 3367 2 1 2 utadi 68 Charles St 2.h 1500005 Netaon 81000016 2.5 3367 2 1 2 0 utadi 68 Charles St 2.h 1500005 Netaon 81000016 2.5 3367 2 1 2 utadi 71 Lingtopia 3.h 10000005 Netaon 81000016 2.5 3367 1 <t< td=""><td>d 17.3-pand 8 4.h W Bogin 211:0210 2.5 3007 6 2.0 0 8 02.hels 3.h 193000.5 Alls 8100246 2.5 3007 2 1 2 6 27.1 Morphysic 3.h 193000.5 Alls 8100246 2.5 3007 1 2 2 4 14.8 Molecinic 1.u 30000.05 Alls 8100246 2.5 3007 1 1 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4<td>PTEL Linear, R. &
PTEL Linear,</td><td>bp ^
docs.google.com
M Graal C
me_housing_F
View Insert F
100% - \$
Address
(6 Studly S)
6 Studly S)
7 Short S</td><td> melbox Coue Mote Mote Market You Libe <l< td=""><td>the construction of the construction of</td><td>x <u>A</u> Mellocu x <u>A</u> Mellocu Mathematical Associations Help tensions Help texti (An</td><td>re_Linear_Regr
mHiump7tXw
- B_Z
Rethod
SS
VB
SS
VB
SS
VB
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS</td><td>compared at compared compared at compared at compared at compared at</td><td>111/11 PM xxme_boxing_FGL wine_boxing_FGL wine_boxing_FGL wine_boxing_FGL Woulde © Youlde Date 0.002205</td><td>x (2) Line
55
1 + + + 5
1
1
1
1
1
1
1
1
1
1
1
1
2
2
2
2
2
2
2
2
2
2
2
2
2</td><td>Ridge_Lasso.jpc Co [2] Medical D Postcode J Postcode S 3066 S 306 S 306</td><td>nn X K M
,</td><td>Ex157020 Data
Baltroom
2
2
2
3
3
3
3
3
4
4
3
2
4
4</td><td>ng Marier X X
Ss 8 ₽
X 0 X
Ss 8 ₽
X 0 X
Cer
1
1
2
2
1
2
1
2
1
2
1
2
1
2</td><td>Shew all + + - - - -</td><td>× × ×</td></l<></td></td></t<></td></t<>
 | totod 11 W Bogin 77102016 2.5 3367 2 1 2 utadi 68 Charles St 2.h 1500005 Netaon 81000016 2.5 3367 2 1 2 0 utadi 68 Charles St 2.h 1500005 Netaon 81000016 2.5 3367 2 1 2 utadi 71 Lingtopia 3.h 10000005 Netaon 81000016 2.5 3367 1 <t< td=""><td>d 17.3-pand 8 4.h W Bogin 211:0210 2.5 3007 6 2.0 0 8 02.hels 3.h 193000.5 Alls 8100246 2.5 3007 2 1 2 6 27.1 Morphysic 3.h 193000.5 Alls 8100246 2.5 3007 1 2 2 4 14.8 Molecinic 1.u 30000.05 Alls 8100246 2.5 3007 1 1 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4<td>PTEL Linear, R. &
PTEL Linear,</td><td>bp ^
docs.google.com
M Graal C
me_housing_F
View Insert F
100% - \$
Address
(6 Studly S)
6 Studly S)
7 Short S</td><td> melbox Coue Mote Mote Market You Libe <l< td=""><td>the construction of the construction of</td><td>x <u>A</u> Mellocu x <u>A</u> Mellocu Mathematical Associations Help tensions Help texti (An</td><td>re_Linear_Regr
mHiump7tXw
- B_Z
Rethod
SS
VB
SS
VB
SS
VB
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS</td><td>compared at compared compared at compared at compared at compared at</td><td>111/11 PM xxme_boxing_FGL wine_boxing_FGL wine_boxing_FGL wine_boxing_FGL Woulde © Youlde Date 0.002205</td><td>x (2) Line
55
1 + + + 5
1
1
1
1
1
1
1
1
1
1
1
1
2
2
2
2
2
2
2
2
2
2
2
2
2</td><td>Ridge_Lasso.jpc Co [2] Medical D Postcode J Postcode S 3066 S 306 S 306</td><td>nn X K M
,</td><td>Ex157020 Data
Baltroom
2
2
2
3
3
3
3
3
4
4
3
2
4
4</td><td>ng Marier X X
Ss 8 ₽
X 0 X
Ss 8 ₽
X 0 X
Cer
1
1
2
2
1
2
1
2
1
2
1
2
1
2</td><td>Shew all + + - - - -</td><td>× × ×</td></l<></td></td></t<> | d 17.3-pand 8 4.h W Bogin 211:0210 2.5 3007 6 2.0 0 8 02.hels 3.h 193000.5 Alls 8100246 2.5 3007 2 1 2 6 27.1 Morphysic 3.h 193000.5 Alls 8100246 2.5 3007 1 2 2 4 14.8 Molecinic 1.u 30000.05 Alls 8100246 2.5 3007 1 1 1 1
 4 1 1 1 1 1 1 1 1 1 1 1 1 1 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 <td>PTEL Linear, R. &
PTEL Linear,</td> <td>bp ^
docs.google.com
M Graal C
me_housing_F
View Insert F
100% - \$
Address
(6 Studly S)
6 Studly S)
7 Short S</td> <td> melbox Coue Mote Mote Market You Libe <l< td=""><td>the construction of the construction of</td><td>x <u>A</u> Mellocu x <u>A</u> Mellocu Mathematical Associations Help tensions Help texti (An</td><td>re_Linear_Regr
mHiump7tXw
- B_Z
Rethod
SS
VB
SS
VB
SS
VB
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS</td><td>compared at compared compared at compared at compared at compared at</td><td>111/11 PM xxme_boxing_FGL wine_boxing_FGL wine_boxing_FGL wine_boxing_FGL Woulde © Youlde Date 0.002205</td><td>x (2) Line
55
1 + + + 5
1
1
1
1
1
1
1
1
1
1
1
1
2
2
2
2
2
2
2
2
2
2
2
2
2</td><td>Ridge_Lasso.jpc Co [2] Medical D Postcode J Postcode S 3066 S 306 S 306</td><td>nn X K M
,</td><td>Ex157020 Data
Baltroom
2
2
2
3
3
3
3
3
4
4
3
2
4
4</td><td>ng Marier X X
Ss 8 ₽
X 0 X
Ss 8 ₽
X 0 X
Cer
1
1
2
2
1
2
1
2
1
2
1
2
1
2</td><td>Shew all + + - - - -</td><td>× × ×</td></l<></td> | PTEL Linear, R. &
PTEL Linear, | bp ^
docs.google.com
M Graal C
me_housing_F
View Insert F
100% - \$
Address
(6 Studly S)
6 Studly S)
7 Short S | melbox Coue Mote Mote Market You Libe <l< td=""><td>the construction of the construction of</td><td>x <u>A</u> Mellocu x <u>A</u> Mellocu Mathematical Associations Help tensions Help texti (An</td><td>re_Linear_Regr
mHiump7tXw
- B_Z
Rethod
SS
VB
SS
VB
SS
VB
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS</td><td>compared at compared compared at compared at compared at compared at</td><td>111/11 PM xxme_boxing_FGL wine_boxing_FGL wine_boxing_FGL wine_boxing_FGL Woulde © Youlde Date 0.002205</td><td>x (2) Line
55
1 + + + 5
1
1
1
1
1
1
1
1
1
1
1
1
2
2
2
2
2
2
2
2
2
2
2
2
2</td><td>Ridge_Lasso.jpc Co [2] Medical D Postcode J Postcode S 3066 S 306 S 306</td><td>nn X K M
,</td><td>Ex157020 Data
Baltroom
2
2
2
3
3
3
3
3
4
4
3
2
4
4</td><td>ng Marier X X
Ss 8 ₽
X 0 X
Ss 8 ₽
X 0 X
Cer
1
1
2
2
1
2
1
2
1
2
1
2
1
2</td><td>Shew all + + - - - -</td><td>× × ×</td></l<> | the construction of | x <u>A</u> Mellocu Mathematical Associations Help tensions Help texti (An
 | re_Linear_Regr
mHiump7tXw
- B_Z
Rethod
SS
VB
SS
VB
SS
VB
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
 | compared at compared compared at compared at compared at compared at | 111/11 PM xxme_boxing_FGL wine_boxing_FGL wine_boxing_FGL wine_boxing_FGL Woulde © Youlde Date 0.002205 | x (2) Line
55
1 + + + 5
1
1
1
1
1
1
1
1
1
1
1
1
2
2
2
2
2
2
2
2
2
2
2
2
2
 | Ridge_Lasso.jpc Co [2] Medical D Postcode J Postcode S 3066 S 306 | nn X K M
, | Ex157020 Data
Baltroom
2
2
2
3
3
3
3
3
4
4
3
2
4
4 | ng Marier X X
Ss 8 ₽
X 0 X
Ss 8 ₽
X 0 X
Cer
1
1
2
2
1
2
1
2
1
2
1
2
1
2 | Shew all + + - - - -
 | × × × |
| Model Of Durine Size 2 h H100000 Size Method H100016 2 Size 3007 2 1 2 Model 211 Langridge Size 3 h 1000000 Size 44% 81102016 2 Size 3007 2 1 2 Model 211 Langridge Size 3 h 1000000 Size 84% 81102016 2 Size 3007 1

 | Model Stream Control Stream Stream<

 | d BK-baske B 2.h 150000 S Nuture 310000 S 35 3007 2 1 2 d 271 zerophys S 3.h 150000 S Jake 810000 S 355 3007 2 1 2 d 271 zerophys S 3.h 150000 S Jake 810000 S 3007 2 1 2 d 601 Keholoun 1 30000 S Biggin 810000 S 3007 1 1 1 d 601 Keholoun 2 3000 S Biggin 810000 S 3007 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3007 3 1 2 2 2 3007 3 1 2 2 3007 3 1 2 3 3 2 2 3 2 2 3 3 2 2 3 3 2 3 3 3 2 3

 | PTEL Linner D. P
C | egression X & d
docts.google.com
M Graal &
View Insert F
View Insert F
View Insert F
View Insert F
Sturner St
25 Drantes St
40 Februarion LI
Schartes St
Sturner St
120 Charles St
120 Charles St
120 Charles St
120 Charles St
121 St Nathoner St | melbox Code Nete Code Net
 | me.ip
books-Google
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ |
 | me_Linear_Repr
mHitmrp71Xm
► III Program
► B Z
Method
SS
000 S
VB
S
000 S
VB
S
000 S
S
S
000 S
S
S
S
000 S
S
S
S
 | Compared at X | Inter Paul | x co line
55
1 ⊥ + 1 + + 5
2 2
2 2
2 2
2 2
2 2
2 2
2 2
2 2
2 2
2
 | Rige_Lasso ipr Medical D V 00 (2) (2) Postcode 3066 3066<td>ret x k M
austein. k
γ γ - Σ -
K
Bedroom2</td><td>ERIFSION HOUSE
BalfSION Data
Bathroom
2
2
2
3
3
3
3
3
3
3
3
2
4
4
2
2
2</td><td>ng Market X X</td><td>Shew all + - - - -</td><td>× × ×</td> | ret x k M
austein. k
γ γ - Σ -
K
Bedroom2 | ERIFSION HOUSE
BalfSION Data
Bathroom
2
2
2
3
3
3
3
3
3
3
3
2
4
4
2
2
2 | ng Market X X | Shew all + - - - - | × × ×
 |
| bolded 217 Langdys S 3 h 1000000 S Julie 81102016 2.5 3007 bolded 218 Alfe 81102016 2.5 3007 1 1 bolded 218 Alfe 81102016 2.5 3007 1 1 bolded 101 30000 S Biggin 81102016 2.5 3007 1 1 bolded 101 100000 S Biggin 81102016 2.5 3007 1 2 bolded 101 100000 S Biggin 81102016 2.5 3007 1 2 bolded 2.6 100000 S Drogle 81102016 2.5 3007 1 2 bolded 2.6 100000 S Drogle 81102016 2.5 3007 1 1 bolded 2.6 100000 S Biggin 10122016 2.5 3007 1 1 bolded 101122016 2.5 3007 2 <td>Model 21 7450000 S Audia 81100016 2.5 3307 Model 113 Mission Sil 2.1 745000 S Audia 81100016 2.5 3307 Image: Control of Contro</td> <td>a 272 Applying 5 3 1 100000 5 Jule 100000 2.5 3007 1 1 1 1 148 Methons 2.1 140000 5 Jule 3000 5 Jule 3000 1</td> <td>TEL_LINEW_R TEL_LINEW_R TEL_LINE TEL_LINEW_R TEL_LINEW_R TEL_LINE TEL TEL_LINE TEL_LINE</td> <td>bp ^
decression X &
decreasion X &
decreasion A &</td> <td>melbox Coue Netre Milee Coue Netre Milee Solution Coue Netre Coue N</td> <td>the set of the s</td> <td>A A Melloux X A Melloux Kelp Kelp</td> <td>me_Linear_Regro meHump71Xxw Last cell wass. x B X Method SS SO00 S SO00 S SO00 S SO00 S SO00 S SS <</td> <td>Compared at Compared Compared at Compared at Compared at</td> <td>Internet Jouring, FutL Internet Jourin</td> <td>X 00 line
55
1
1 v 1 v 1 v 5
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2</td> <td></td> <td>nb x k M
Masson. k
γ
P τ Σ τ .
K
Bedroon2</td> <td>Extraction Contractions (Contraction) (Contr</td> <td>hg Market X X
ks * 2
Ks *</td> <td>Shew all + + - - - -</td> <td>× ×</td> | Model 21 7450000 S Audia 81100016 2.5 3307 Model 113 Mission Sil 2.1 745000 S Audia 81100016 2.5 3307 Image: Control of Contro

 | a 272 Applying 5 3 1 100000 5 Jule 100000 2.5 3007 1 1 1 1 148 Methons 2.1 140000 5 Jule 3000 5 Jule 3000 1

 | TEL_LINEW_R TEL_LINE TEL_LINEW_R TEL_LINEW_R TEL_LINE TEL TEL_LINE TEL_LINE | bp ^
decression X &
decreasion X &
decreasion A & | melbox Coue Netre Milee Coue Netre Milee Solution Coue Netre Coue N
 | the set of the s | A A Melloux X A Melloux Kelp
 | me_Linear_Regro meHump71Xxw Last cell wass. x B X Method SS SO00 S SO00 S SO00 S SO00 S SO00 S SS < | Compared at Compared Compared at Compared at Compared at | Internet Jouring, FutL Internet Jourin | X 00 line
55
1
1 v 1 v 1 v 5
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
 | | nb x k M
Masson. k
γ
P τ Σ τ .
K
Bedroon2 | Extraction Contractions (Contraction) (Contr | hg Market X X
ks * 2
Ks * | Shew all + + - - - - | × ×
 |
| Obstand 21 740000 S Mellin 81100116 2.5 9407 Model 4241140000 1 0 000000 5 Biggin 81102016 2.5 9407 1 1 1 Model 4241140000 1 0 000000 5 Biggin 81102016 2.5 9407 1 <td>Index MixIamo Bi 2:1 74600 S Jalia 8102016 2:5 3007 Image Mixiami Bi 2:1 74600 S Biggin 9102016 2:5 3007 Image Image</td> <td>d tab.fabre/s1 21 740000 S Jule 80001 S 25 5007 Image: S241 Holdward Image: S241 Holdward 1</td> <td>PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_RIN_R_
PTEL_Linex_R_
PTEL_Lin</td> <td>top ^ decs.google.com </td> <td>melbox Cobe hereadsh Cobe her</td> <td>theores - Georgie theores - Georgie theores - Georgie theorem Georgie theorem Georgie theorem Georgi</td> <td>∧ ∧</td> <td>rel_lnear_flags meHamp7Xxx Ell Pregam r B_Z r B_Z r B_Z r SS 000 SP 000 SP 000 SS SS 000 SP 000 SP</td> <td>Compared at Compared at Compared</td> <td>arre, houring, FoiLl
arre, houring, FoiLl
arre, houring, FoiLl
arre, houring, FoiL
arre, houring, foiL
arre,</td> <td>x co Lees
55
55
1
1
1
1
1
2
2
2
2
2
2
2
2
2
2
2
2</td> <td>Refer Lano (p Netscal C Netscal C Netscal C Netscal C Netscal C Source Source</td> <td>no x k M
statistic. k
γ γ - Σ -
K
Bedroom2</td> <td>Helicorne Housie
Herif S2020 Data
Bashcone
2
2
2
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3</td> <td>ng Market X</td> <td>Shew all + + + +</td> <td>× ×</td>
 | Index MixIamo Bi 2:1 74600 S Jalia 8102016 2:5 3007 Image Mixiami Bi 2:1 74600 S Biggin 9102016 2:5 3007 Image

 | d tab.fabre/s1 21 740000 S Jule 80001 S 25 5007 Image: S241 Holdward Image: S241 Holdward 1
 |
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_Linex_R_
PTEL_RIN_R_
PTEL_Linex_R_
PTEL_Lin | top ^ decs.google.com | melbox Cobe hereadsh Cobe her
 | theores - Georgie theores - Georgie theores - Georgie theorem Georgie theorem Georgie theorem Georgi | ∧
 | rel_lnear_flags meHamp7Xxx Ell Pregam r B_Z r B_Z r B_Z r SS 000 SP 000 SP 000 SS SS 000 SP
 | Compared at Compared | arre, houring, FoiLl
arre, houring, FoiLl
arre, houring, FoiLl
arre, houring, FoiL
arre, | x co Lees
55
55
1
1
1
1
1
2
2
2
2
2
2
2
2
2
2
2
2 | Refer Lano (p Netscal C Netscal C Netscal C Netscal C Netscal C Source | no x k M
statistic. k
γ γ - Σ -
K
Bedroom2 | Helicorne Housie
Herif S2020 Data
Bashcone
2
2
2
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
 | ng Market X | Shew all + + + + | × × |
| bostded 6241 Nicholon 1 u 300000 S Biggin 81/02/16 2.5 3067 1 1 bostded U Vialand SI 2 h 109700 S Biggin 81/02/16 2.5 3067 3 1 2 bostded U Vialand SI 2.5 Dirg Si Biggin 81/02/16 2.5 3067 1 2 bostded 2.80 N Vicona 2.u 450000 S Biggin 10/12/216 2.5 3067 2 1 bostded 2.80 N Vicona 2.u 700000 V B Biggin 10/12/216 2.5 3067 2 1 bostded 2.90 N Vicona 2.u 700000 V B 10/12/216 2.5 3067 2 1 bostded 1967 Vicona 1.u 44/1000 SP Pupiebrdia 10/12/216 2.5 3067 2 1 bostded 1967 Vicona 1.u 44/1000 SP Pupiebrdia 10/12/216 2.5 3067 2 1

 | Mode 60/0000 S Biggin 61/02/016 2.5 3307 1 <th< td=""><td>6 6241 Headwood 1 300000 S Bogan 810020H 2.5 3007 1 1 1 6 40340 Monta 2.0 50000 S Dogan 810020H 2.5 3007 3 1 2 6 40360 Monta 2.0 50000 S Dogan 810020H 2.5 3007 3 1 2 6 40360 Monta 2.0 5000 S Dogan 810020H 2.5 3007 1 1 2 6 2364 Monta 2.0 5000 S Dogan 81020H 2.5 3007 1 1 2 6 2364 Monta 2.0 70000 SP Bigan 1912020H 2.5 3007 1 1 6 4160 Omeore 2.0 700000 VB Aeles 1912020H 2.5 3007 2 1 1 6 4160 Omeore 2.0 700000 VB Aeles 191501H 2.5 3007 2 2</td><td>PTEL Linear, A. PTEL Linear, A. P</td><td>tep ^
decreased x & d
decreased constraints x & d
decreased constraint</td><td>melbox Control barrendo Control barre</td><td>me.zp
boost - Googie
boost - Googie
D ♥ Mass Eile
D 001 E01 001
E1220 D 0
1220 D 0
1200 E110
1200 E1100
1200 E110
1200 E110
1200 E110
1200 E110
1200</td><td>A A</td><td>re_Linear Regr
militamp71Xx
East cell wasa.
F B Z
Method
SS
00 S
V8
00
S
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS</td><td>en X II Morbo
u22nk2tybEgV4/e
vrieng III NDA
ScherG
Aelis
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson</td><td>Internet Person Internet Person</td><td>× ∞ Line 55 55 1 - +</td><td></td><td>no x k M
sta Sci k $\sqrt{2}$
y $\nabla \cdot \Sigma \cdot K$
Reference</td><td>Hebourne Housia
Bastroom
2
2
3
3
3
3
4
4
2
2
2
5
5
5
3
3
3
4
4
2
2
2
6
5
2
2
5
5
5
3
3
3
3
4
4
5
2
2
2
5
5
5
5
5
5
5
5
5
5
5
5
5
5</td><td>ng Market X</td><td>Shew all + + + - -<</td><td>×</td></th<> | 6 6241 Headwood 1 300000 S Bogan 810020H 2.5 3007 1 1 1 6 40340 Monta 2.0 50000 S Dogan 810020H 2.5 3007 3 1 2 6 40360 Monta 2.0 50000 S Dogan 810020H 2.5 3007 3 1 2 6 40360 Monta 2.0 5000 S Dogan 810020H 2.5 3007 1 1 2 6 2364 Monta 2.0 5000 S Dogan 81020H 2.5 3007 1 1 2 6 2364 Monta 2.0 70000 SP Bigan 1912020H 2.5 3007 1 1 6 4160 Omeore 2.0 700000 VB Aeles 1912020H 2.5 3007 2 1 1 6 4160 Omeore 2.0 700000 VB Aeles 191501H 2.5 3007 2 2

 | PTEL Linear, A. P | tep ^
decreased x & d
decreased constraints x & d
decreased constraint | melbox Control barrendo Control barre
 | me.zp
boost - Googie
boost - Googie
D ♥ Mass Eile
D 001 E01 001
E1220 D 0
1220 D 0
1200 E110
1200 E1100
1200 E110
1200 E110
1200 E110
1200 E110
1200 | A
 | re_Linear Regr
militamp71Xx
East cell wasa.
F B Z
Method
SS
00 S
V8
00 S
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
SS
 | en X II Morbo
u22nk2tybEgV4/e
vrieng III NDA
ScherG
Aelis
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Biggin
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson
Netson | Internet Person Internet Person | × ∞ Line 55 55 1 - +
 | | no x k M
sta Sci k $\sqrt{2}$
y $\nabla \cdot \Sigma \cdot K$
Reference | Hebourne Housia
Bastroom
2
2
3
3
3
3
4
4
2
2
2
5
5
5
3
3
3
4
4
2
2
2
6
5
2
2
5
5
5
3
3
3
3
4
4
5
2
2
2
5
5
5
5
5
5
5
5
5
5
5
5
5
5 | ng Market X
 | Shew all + + + - -< | × |
| Oxided Otivatals St 2 h 1095000 S Biggin B102016 2.5 3007 3 1 2 obsided 43569 V/rom 2 u 50000 S Drigle B102016 2.5 3007 3 1 2 obsided 22 Reh St 2 h SP Biggin 1012016 2.5 3007 2 1 1 obsided 2588 Timemy C 2 u 700000 SP Biggin 1012016 2.5 3007 2 1 1 obsided 2588 Timemy C 2 u 700000 SP Pagetoking 10122016 2.5 3007 2 1 1 obsided 101715 Time ft 1 u 445000 SP Pagetoking 10122016 2.5 3007 2 1 1 obsided 4118 Genemerrie 2 u 700000 VB Jafle 12112716 2.5 3007 2 1 1

 | ubder 101/ublet SL 2 h 107/070 SL Bigga 8/10/2116 2.5 3.007 3 1 2 ubder 43/600 / Voltes 2 u 5/000 / SL 0 u/g 3/000 / SL 3 1 2 ubder 43/600 / Voltes 2 u 5/000 / SL 3/007 / SL 1 1 1 ubder 2 k60 / North 2 u 5/000 / SL 5/000 / SL 3/007 / SL 1 1 ubder 2 k60 / North 2 u 7/0000 / SL Bigga 10/02216 / 2.5 3/07 / SL 1 1 ubder 14/100 / SL 8 gaga 10/02216 / 2.5 3/07 / SL 1 1 ubder 14/100 / SL 1 u 4/1000 / SL Julia 10/02216 / 2.5 3/07 / SL 2 2 1 ubder 14/100 / SL 2 / SL 3/07 / SL 2 2 1 1

 | 6 10 Munk St. 2.h. 100700 S Biggin P102014 2.5 3007 3 1 2 4 43580 Vocos 2.u. 54000 S Druge P102014 2.5 3007 3 1 2 4 24580 Vocos 2.u. SP Biggin 11102014 2.5 3007 2 1 1 4 2584 Viewny (* 2.u. 710000 SP Biggin 10112014 2.5 3007 2 1 1 6 418 Gravword 2.u. 710000 SP Biggin 10112014 2.5 3007 2 1 1 6 418 Gravword 2.u. 710000 VB Aelia 10112016 2.5 3007 2 1 1

 | PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_Linex_8_
PTEL_L | top ^ Agreesson X 4 docs.google.cora M Grast 6 more housing. F 1001. 5 View insact f 68 Studiey St 68 Studiey St 68 Studiey St 68 Studiey St 55 Turner St 25 Storates St 65 Strates St 72 Charles St 72 Charles St 72 Charles St 72 Charles St 712 Charles St 712 Storates St 712 Charles St 712 Tolfs Nicholace St 712 Tolfs Charles St 712 Tolfs Charles St 712 Tolfs Charles St 717 Langridge St | melbox Construction Construct
 | me.zip excess - Geogin excess - | A A Method Sector X A Method Sector 00L-FAXABethod Concerned Heip 100-10L-10L-10L-10L-10L-10L-10L-10L-10L-
 | ret_lnear_flegr mHitmp7Xtw ImmHitmp7Xtw ImmKitmp7Xtw ImmKitmp7Xtw<
 | a complete at at a second seco | arme_houring_FULL arme_houring_FULL distrigut=11415654 | x co Lees
55
1 1 + + + + + + + + + + + + + + + + + +
 | | no x k M γ k M k M | Hebourne Housie
Bathoourne
Bathroourn
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3 | ng Marker X | Show all + + + + + + + + + + + + + + + + + +
 | × × |
| M3569 Vicuna 2 u 542000 S Druge 81/02/016 2.5 3067 bodadad 2 h SP Biggin 10/22/016 2.5 3067 1 1 bodadad 258 Temmy C 2.1 10/22/016 2.5 3067 1 1 bodadad 258 Temmy C 2.0 700000 SPB Biggin 10/12/2016 2.5 3067 1 1 bodadad 1561/116 Temmy C 2.0 700000 SPB Biggin 10/12/2016 2.5 3067 1 1 bodadad 1561/116 Temmy C 2.0 700000 VB Jelia 12/12/2016 2.5 3067 2 1 bodadad 1561/116 Temmy C 2.0 700000 VB Jelia 12/11/2016 2.5 3067 2 1

 | Mode Mode Vectors 2 u Second S Dingle 4102216 2.5 3007 L Mode 26x6 Treemy C 2 u N0000 SP Biggin 10122016 2.5 3007 2 1 1 Mode 26x6 Treemy C 2 u N0000 SP Biggin 10122016 2.5 3007 2 1 1 Mode 26x6 Treemy C 2 u N0000 SP Biggin 10122016 2.5 3007 1 1 Mode 1101 Otherson 2 u N0000 SP Papelacida 10122016 2.5 3007 1 1 Mode 1101 Otherson 2 u 10000 VB Jalla 12712016 2.5 3007 1 1

 | 4 463604 Victoria 2 u 55200 S Dright 8102016 2 S 3007 1 1 4 28Ars B 2 No SP Bight 9102016 2 S 3007 1 1 4 28Ars B 2 No 9 Bight 9102016 2 S 3007 1 1 6 2545 Minery C 2 u 700000 SP Bight 10120016 2 S 3007 1 1 6 4156 Greenery 2 u 700000 VB Aelies 13110016 2 S 3007 2 1 1 Melbourne, Jossing, JULL + 70000 VB Aelies 13110016 2 S 3007 2 2 1

 | PTEL Lines, A PTEL PTEL PTEL Lines, A PTEL | tep A A A A A A A A A A A A A A A A A A A | melbec Coue Notes Coue Notes Mispreadship Touloe C Rooms C<
 | me.zip
boos - Geogli
boos - Geogli
boos - Geogli
boos - Geogli
boos - Geogli
boos - Geogli
cons - Extended
cons - Extended
cons - Extended
cons - Extended
cons - Cons |
 | re_Linear/Begreenergenergenergenergenergenergenerg
 | Complete al All Complete al All Complete al All Complete al All Complete al All Complete al All Complete al All Complete al All Complete al All Complete al All Complete al All Complete al All Al | Internet Person | x c2 line
55
55
1 ± + + + 5
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2 |
 | ne) x k M M sta Scie k // γ | Ex151220 Data
Balf ST2220 Data
Balf ST2220 Data
Balforom
2
2
2
2
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3 | ng Marker X X
M ☆
X →
Car
1
1
2
2
1
2
2
1
1
2
2
1
1
2
2
1
1
2
2
1
1
2
2
2
1
1
2
2
2
1
1
1
2
2
2
2
1
1
1
1
2
2
2
2
1
1
1
1
1
1
1
1
1
1
1
1
1 | Show all sho | × × |
| Solubility Zith SP Biggin 1012/2016 2.5 3007 2 1 1 Modeling Zith 70000 SPP Biggin 1012/2016 2.5 3007 2 1 1 boatabot 1561 Tribuner 1 1 481000 SP Republicida 101712016 2.5 3007 2 1 1 boatabot 156119 Tumer 1 1 481000 SP Republicida 101712016 2.5 3007 2 2 1 1 boatabot 101119 Lineer 2.5 3007 2 2 1 1

 | Unicode 2 A h BP Biggin 01/022/16 2.5 3007 2 1 1 ubde 1054 Trempt 2.u 700000 BP Biggin 01/022/16 2.5 3007 2 1 1 ubde 10101015 Turnet 1.u 44000 SP Purplicidicas 10102216 2.5 3007 2 2 1 1 ubde 1410 Grossov 2.u 700000 VB Jafa 1010216 2.5 3007 2 2 1 1 ubde 1410 Grossov 2.u 700000 VB Jafa 10112016 2.5 3007 2 2 1 1 ubde 1410 Grossov 2.u 700000 VB Jafa 10112016 2.5 3007 2 2 1 1 ubde 1410 Grossov 2.u 700000 VB Jafa 10112016 2.5 3007 2 2 1 1

 | 2 RAN B 2 h SP Biggin 101/2014 2.5 3007 2 1 1 6 164119 Tunert 1 u 441000 SP Pupalenda 111/2014 2.5 3007 2 1 1 6 164119 Tunert 1 u 441000 SP Pupalenda 111/2014 2.5 3007 2 1 1 6 41140 Genement 2 u 700000 VB Aelies 1271/2014 2.5 3007 2 2 1 1 Melbourne_housing_FULL * Image: State

 | PTEL Lines, A
ainman Liethe
Melbourn
File Edit
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A | to A descention of the second | method CoopeNete CoopeNet
 | me.zp | * Å Mekuv * Å Mekuv Mala Mekuv <td>me_lines/_Brogram meHump7Xxw is in Program meHump7Xxw P g Z Program Program</td> <td>In X → Anno Anno Anno Anno Anno Anno Anno An</td> <td>arme_houring_FULL arme_houring_FULL disregid=11415654</td> <td>x co Line.
55
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1</td> <td> Fidge_latents (p) B Medical D Co (D) (D) Pathods S 5000 S 5000</td> <td>ne x k M</td> <td>televerse House televerse House televerse House televerse telever</td> <td>ng Marker X X</td> <td>Shew all
+ +</td> <td>× ×</td> | me_lines/_Brogram meHump7Xxw is in Program meHump7Xxw P g Z Program
 | In X → Anno Anno Anno Anno Anno Anno Anno An | arme_houring_FULL arme_houring_FULL disregid=11415654 | x co Line.
55
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
 | Fidge_latents (p) B Medical D Co (D) (D) Pathods S 5000 S 5000 | ne x k M | televerse House televerse House televerse House televerse telever | ng Marker X X | Shew all
+ + | × ×
 |
| Dotation 2584 Transmy C 2 u 760000 SP Biggin 10/12/2016 2.5 3067 Southing 1 u 481000 SP Purplehrids 10/12/2016 2.5 3067

 | ubded 294000 979 Biggin 10/12/2016 2.5 3007

 | d 254 Thermy C 2 u 71000 SP Biggin 10120216 2.5 3007 i 910110 Turner 1 u 44100 SP Pageledia 1012016 2.5 3007 1 6 4160 Greener 2 u 70000 VB Jales 10110016 2.5 3007 2 2 1 Melbourne, housing, FULL + C 3011016 2.5 3007 2 2 1

 | THELLENNER R
TELLENNER R
C
C
TELLENNER R
Melbourn
File Edit
C
File Edit
C
C
File Edit
C
C
File Edit
C
C
File Edit
C
C
File Edit
C
C
File Edit
C
C
C
File Edit
C
C
C
File Edit
C
C
C
C
C
C
C
C
C
C | to A descent of the second of | in melbox
Coue Neter
mit preadshift
Data and the set of the set
 | the set of the s | * & Methodsepoly * & Methodsepoly * & Methodsepoly * & Methodsepoly * Methodsepoly * * * Methodsepoly * * *
 | re_Linear/Regress meltump7tXaw meltump7tXaw re_linear/Regress re_
 | Complete al
All
All
All
All
All
All
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn
Bogn | Internet Person Internet Person Internet Internet Person Internet | x (2) line
55
55
1 ± + 1 + + 17
10iatance
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2 |
 | we x k M k κ x k M κ sta Sce. k κ | Extraction Provide
Bartistopo Darka
Bartinoom
2
2
2
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3 | ng Marter X | Shore all
+
+
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
- | × × |
| Obsided 106/119 Unwrit 1 u 481000 SP Purplekrda 1012/2016 2.5 3067 1 botelded 4118 Graseror 2 u 700000 VB Jelle 12111/2016 2.5 3067 2 1

 | ubded 10102016 2.5 3027 1 ubded 411002006 2.5 3027 2 2 1 ubded 411020006 2.9 3027 2 2 1 ubded 411020000 2.9 3027 2 2 1 ubded 411020000 2.9 3027 2 2 1

 | d 108119 Tuner 1 1 u 44100 SP Pupilenda 10122016 2.5 368 4 4 4 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5

 | Immanu web | tp A Heighteen: X 4 A Mission A Mission Mission B Mission A A Mission B B Mission B B Mission B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B | method control text control te
 | the second | * Å Mekova * Å Mekova * Å Mekova * Å Mekova * Ø Mekova Ø Mekova Ø Mekova
 | Mean Brogen Methods Methods Methods Methods Y Method S
S S S S S S S | a complete at at a set of a set of | arme_houring_FULL arme_hourin | X (2) Line.
55
1
1
1
1
1
2
2
2
2
2
2
2
2
2
2
2
2
2 |
 | ne x k M
w x k M
γ
γ
γ
κ
Redroad | televerse Hoad televerse Hoad televerse Hoad televerse | ng Market X X | Shere all
+ + Charles a start of the star | × × |
| bedeford 4118 Grosseson 2 u 700000 VB Jelis 12112016 2.5 3067 2 2 1 .

 | Inford 4118 Generator 2 u 700000 V6 Jellis 12/11/2016 2.5 3087 2 1 Image: Melbourne Acusing FULL + Ima

 | 6 416 Genereo 2 u 770000 VB Jalls 12110016 2.5 3067 2 2 1 1
Melbourne, Joussing, FULL +

 | TEL_Linese → C | tp A weyness X Z descent of the second | melboc Code Neteries
 | the second | x & Methods Methods Methods
 | ne. Linear, Page mitilizer, 7XXw Last cidit wata. ast cidit wata. r B X Method SS
 | Complete at a second sec | Internet Period Internet Period Internet Period Internet Period Internet Period Internet Int | X Q2 Les 55 55 - </td <td></td> <td>ne x k M
γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ</td> <td>L Bathcom Bathcom 2 2 3 3 3 4 2 2 2 3 3 4 2 2 2 3 3 3 3 4 2 1 3 2 2 2 2</td> <td>ng Market X X</td> <td>Shere all shere all shere</td> <td></td> | | ne x k M
γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ | L Bathcom Bathcom 2 2 3 3 3 4 2 2 2 3 3 4 2 2 2 3 3 3 3 4 2 1 3 2 2 2 2 | ng Market X X
 | Shere all shere | |
| 10

 | Melbourne housing FULL •

 | Mebourne_Jouring_FULL +

 | TEL Lines: A T | tp A Hegenetic: X 4 Address applicable B Initial Address applicable B Initial Mit and L E B Mit and L E S Mi | melboc Coab hereadshift Coab hereadshift Coab hereadshift Truthee FULL \$\$\$ 0, 0 C <td>me.ip
hoots - Google
bets.(//wE9-w
P Mos □□ □
10 □ □
10 □ 0
10 10 0</td> <td>A A Methods X C Methods Methods Methods Methods Methods Methods</td> <td>nel.lnew_flagm mitiamp70Xw att cdit mail Last cdit mail Method SS Method SS 000 SP SP</td> <td>In X → A → A → A → A → A → A → A → A → A →</td> <td>arme_houring_F0LL arme_houring_F0LL disregid=11415654</td> <td>x co Less 55 55 1 1 1 2 2 2 2</td> <td>Regr lance for Regr lan</td> <td>ne x k M
, γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ</td> <td>Itelation Itelation Image: State in the state</td> <td>Image Materie X Δ Ω M Δ M Δ T 0 T 1 1 2 2 2 1 1 2 2 1 2 2 1 1 1 1 1</td> <td>Shee all
+ + Control Contro</td> <td></td> | me.ip
hoots - Google
bets.(//wE9-w
P Mos □□ □
10 □ □
10 □ 0
10 10 0 | A A Methods X C Methods Methods Methods Methods Methods Methods
 | nel.lnew_flagm mitiamp70Xw att cdit mail Last cdit mail Method SS Method SS 000 SP SP
 | In X → A → A → A → A → A → A → A → A → A → | arme_houring_F0LL arme_houring_F0LL disregid=11415654 | x co Less 55 55 1 1 1 2 2 2 2
 | Regr lance for Regr lan | ne x k M
, γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ | Itelation Itelation Image: State in the state | Image Materie X Δ Ω M Δ M Δ T 0 T 1 1 2 2 2 1 1 2 2 1 2 2 1 1 1 1 1 | Shee all
+ + Control Contro | |
|

 | E Melbourne housing FULL *

 | Melbourne_housing_FULL -

 | ELLIVers.P.P
C
C
munit Laketho.
File Edit
C
C
C
C
C
C
C
C
C
C
C
C
C
C
C
C
C
C
C | tp A weyness X Z dots pointers X Z dots pointers N A methods pointers N A dots pointers N A dots pointers N A dots dots dots dots dots dots dots dots< | melboc Code Netextender Code Netextender Code Netextender Truthee FULL \$\$\phi\$ and \$\$\ph
 | the sector - Georgie the sector - Ge | * & Metroverset * & Metroverset * & Metroverset * & Metroverset * * * * <t< td=""><td>ne_l.lees_l.pege mHitmp7XX imHitmp7XX last cdit value. r B_Z r <t< td=""><td> complete at a second sec</td><td>International Control (1994) International Control (1994</td><td>x Q2 Let 55 55 1<!--</td--><td></td><td>ne x k M
γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ</td><td>Hebourne Housia
Braf Stoco Data
Bathroom
2
2
2
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3</td><td>ng Marke X
(1) (2) (2)
(2) (2) (2) (2)
(3) (2) (2) (2)
(4) (2) (2) (2) (2)
(4) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2</td><td>Shore all
+ +</td><td>××</td></td></t<></td></t<>
 | ne_l.lees_l.pege mHitmp7XX imHitmp7XX last cdit value. r B_Z r <t< td=""><td> complete at a second sec</td><td>International Control (1994) International Control (1994</td><td>x Q2 Let 55 55 1<!--</td--><td></td><td>ne x k M
γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ</td><td>Hebourne Housia
Braf Stoco Data
Bathroom
2
2
2
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3</td><td>ng Marke X
(1) (2) (2)
(2) (2) (2) (2)
(3) (2) (2) (2)
(4) (2) (2) (2) (2)
(4) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2</td><td>Shore all
+ +</td><td>××</td></td></t<> | complete at a second sec | International Control (1994) International Control (1994 | x Q2 Let 55 55 1 </td <td></td> <td>ne x k M
γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ</td> <td>Hebourne Housia
Braf Stoco Data
Bathroom
2
2
2
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3</td> <td>ng Marke X
(1) (2) (2)
(2) (2) (2) (2)
(3) (2) (2) (2)
(4) (2) (2) (2) (2)
(4) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2</td> <td>Shore all
+ +</td> <td>××</td>
 | | ne x k M
γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ | Hebourne Housia
Braf Stoco Data
Bathroom
2
2
2
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3 | ng Marke X
(1) (2) (2)
(2) (2) (2) (2)
(3) (2) (2) (2)
(4) (2) (2) (2) (2)
(4) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2 | Shore all
+ +
 | ×× |
| uuvebp A mellourne.zip A Storral X

 | nu.nebp A h melbourne.zip A Show all >>

 |

 | near_B
ikeliho.
bour
Edit
if P
fx
nd
nd
nd
nd
nd
nd
nd
nd
nd
nd | tp A weynes: X Z dots: point: X dots: dots: dots: | melbox Code Netering Topological Statements of the second statement
 | the set of the s | * & Methods * & Methods * & Methods * * * <td> Inter Segregation Inter Program Inter Program Inter Segregation Inter Segregation</td> <td>Complete at a second seco</td> <td>Inter PM Inter PM</td> <td>x co line
55
1 v li¹ v li¹ v
2 2
2 2
2 2
2 2
2 2
2 2
2 2
2</td> <td></td> <td>reb X k M
μ
γ
γ
γ
γ
γ
γ
γ
γ
γ
γ
γ
γ
γ</td> <td>the last 2020 Data the last 2020 the last 2020</td> <td>ng Marker X X
A X
NL X I
Car
1
1
2
2
1
1
2
2
1
1
2
2
2
1
1
2
2
2
2
1
1
2
2
2
2
1
1
2
2
2
2
2
1
1
2
2
2
2
2
2
2
2
2
2
2
2
2</td> <td>Shew all Shew all</td> <td>× ×</td> | Inter Segregation Inter Program Inter Program Inter Segregation Inter Segregation
 | Complete at a second seco | Inter PM | x co line
55
1 v li ¹ v li ¹ v
2 2
2 2
2 2
2 2
2 2
2 2
2 2
2 | | reb X k M
μ
γ
γ
γ
γ
γ
γ
γ
γ
γ
γ
γ
γ
γ
 | the last 2020 Data the last 2020 | ng Marker X X
A X
NL X I
Car
1
1
2
2
1
1
2
2
1
1
2
2
2
1
1
2
2
2
2
1
1
2
2
2
2
1
1
2
2
2
2
2
1
1
2
2
2
2
2
2
2
2
2
2
2
2
2 | Shew all | × × |

	0 x * U & V
um Läxeliho Mi Gmail 🖸 YouTube 🦞 Maps 📋 Breast_Cancer_HL. 🛄 Programming 🛄 NDA 🚺 YouTube	🗘 Classification-of 🗧 Medical Data Scie 🗼 BraTS2020 Datas » 🛄 Other Bookman
▲ Linear_Ridge_Lasso.ipynb ☆ ile Edit View Insert Runtime Tools Help	🗖 Comment 🛛 🛤 Share 🏚 🚱
Code + Text	V RAM
<pre>dataset.isna().sun()</pre>	
Suburb 0	
Rooms 0	
Type 0 Nethod 0	
SellerG 0	
Regionname 3 Propertycount 0	
Distance 0	
CouncilArea 3 Bedroom2 0	
Bathroom 0	
Car 0 Landsize 0	
BuildingArea 0	
Price 7610 dtype: int64	
	^↓⊙■‡₀∎:
<pre>plataset.dropna(inplace*7rue)</pre>	
] dataset.isna().sum()	
Suburb 0	
Rooms 0 Type 0	
Nethod 0	
SellerG 0 Regionname 0	
Propertycount 0	
Councilarea 0	
 Øs completed at 11:42 PM 	• x
the second se	
Lither Jeyrsian, X & Cala Natabais - Cargin X & Melsume Liteur Jeyrsi X @ Melsume Juning	Rill X GD Lifeer_Ridge_Lassolpyck X k Melbourne Housing Marker X +
Liner, Jagenov X & Colo Notecos - Sogir X & Mebure, Jiver, Jageni X & Mebure, June, June, J	SUL X @ Lines_Rige_Lencipye: X & Webcurre Housey Marie: X +
Liters Jayenson X & Crish Notebook - Google X & Millioure, Liver, Jayens X & Millioure, Liver, Jayenson X & Millioure, Liver	SUL X © Lines_Rige_Lanc.bye: X k Mehaver Houses More: X +
Liters Beyreson: X & Grab Nationss - Geoge: X & Melsone Liters Beyre: X & Melsone Liters Beyres Beyre	SUL X © Lines_Nigs_Lano.ipy: X k Mitbaure Housing More: X + © © Savification-of~. ■ Mitbaure Housing More: X + = © Constitution-of~. ■ Mitbaure Housing More: X + = © One More: □ Constitution-of~. ■ Mitbaure Housing More: X + = © One More:
Liters Begreson: X & Grab Noteboos-Geogle X & Mehoure_Liters Begre: X & Mehoure_Loor_ C & coldstnessech.google.com/driveltz-Winnebrid66520056abv2dresbullUsecolf5-SNU269705Ac mittelfa-a. M Grad & Tealter & Mass & Beast_ConcertH. In Programming II NOA & Tealter & Linear Ridge_Lassolphyb & is Eat Verv intere Rotter Tods Hep Dode + Teat	OLL X © Lines_Rigs_Lanc.byst X & Mitcurre Housing Marcin X +
Lithmer_Regression: X () Crick Nambooks - Googli X () Melbourne_Literur_Regres X () Helbourne_Javaing_ C () Contrasterch.google.com/driving/th-1980m96420649420459486404500450494299910940C ant Lehihas. M Grail () Yoshilar () Maps () Breat_Canocr.H () Programming () NGA () Yoshilar 6 Lither () Rodge_Lasso.joynb () () E Edit Vew Insert Ruttime Tools Help 0 Distributionses ()	Constraints-sh-
Lithmer_Regression: X & Crick Nambooks - Scorgin: X & Melbourne_Lithmer_Regres: X & Belbourne_Journing C & colds:Insearch.google.com/driving/15-1980-9642065949-02400486495cool55-094029910940C ant Leithen. M Grael & Yoshike & Wage & Breat,Cancer,H., @ Programming & NGA & Traitele & Lithmer_Ringle_Lasso.Jophon 12 & Edit Verw Insert Rustmer Tools Help Code + Test 5 StuidElsphese & 0 Price X100 Carper: Little	Casting Lancipe x k Mean Hours Hains K + Casting Lancipe x k Mean Hours Hours K + Casting Lancipe x k Market Lancie x + Casting x + Casti
Linner_Beyrnion: X & Crick Nonkooks - Google X & Melkowne_Ineer_Beyrn:	Construction of
Liner Beyrnion X & Crick Notebook - George X & Melhoure Liner Beyrn Milling Lass Campion Art Mark & Melhoure Liner Region Milling Lass Campion Art Melhoure Liner Region Art Melhour	Clu x @ Lines_Rigs_Lension x k Metaure House Marin X + Constructed Metau bus Sea. k But SIGND Data. Construct 2: State Construct 2: State Con
Liter, Hayreser, X & Cold Molecoles-Google X & Melkows, Jewer, Hayres, X & Bellows, Jewer, Jewer, K. & Bellows, Jewer, Je	Construction of
Liters: Begenson: X ▲ Costa Nontonons-Googe: X ▲ Melsoure_Liters: Begen: X ▲ Melsoure_Liters: C ● costato=Research appage: complexity.international #2.02581489-20190-8010-801029970900 mitterban. M Graut ● Notate ● Mess E Beaut_Concr.H. ● Programming ■ Not ● Instate & Linear: Ridge_Lassol.pymb ☆ E & Ilivear: Restrues: Restrues: Total = 51 Mess Instate ● = 7610 = 76	SUL X © Lines_Nigs_Lano.ipy: X k Withours Houses More: X +
Liters/Beyrnion: X & Crob Notecols-Group: X & Methoure_liters/Beyrn: Box & D & Methoure_liters/Beyrn: Box & B & Methoure_liters/B	SEL X © Linne, Ridge, Lance layet X K Mehaware Housing Marin: X +
Liter, Haymen: X & Crish Notebook:-Google X & Mellowing, Liver, Haym: X & Mellowing, Liver, Haym: X & Mellowing, Liver, Haymer, K & Mellowing, Liver, Haymer, K & Mellowing, Mellow, H & Mellowing, Mellowi	SUL X @ Lines_Rige_Lance.byer: X & Methanne Housing More: X +
Liters Beyreson: X ▲ Grab Notebooks-Geoge: X ▲ Melsowe_Liters_Beyre: X ➡ Melsowe_booke_ C ▲ coldstnesseck.google.com/div/MLT-Witm/Br06/62/2058/Be/Jc/mels/BU/2097/DSNC mitadha. M Grad ● malae ♥ Maps ■ beak_GraceJAL ■ Programming ■ NOA ● halde & Linear Ridge_LassoLipyIb ☆ % E for Ver intent Twittente Tools Help Doot + Tot # Tot # Statest.imag().est() > detaset.imag().est() > deta	OLL X © Lines_Rigs_Lanc.byst X & Metaure Housey Marcu X + © Construction-of © Metaul basision. & Edition of the Metaul basision. & Edition of the Metaul basision. © Construction-of © Metaul basision. & Metaul basision. & Edition of the Metaul basision. © Construction-of © Metaul basision. & Edition of the Metaul basision. & Edition of the Metaul basision. & Metaul basision. & Edition of the Metaul basision. & Edition of the Metaul basision. & Metaul basision. & Metaul basision. & Edition of the Metaul basision. & Metaul basision. & Metaul basision. & Edition of the Metaul basision. & Metaul basision.
Liter, Hayreser, X & Crick Multicols-Google X & Multicore_Jiver, Hayrii X & Bellowing, Jiver, Hayrii X	RUL X © Lines, Rige, Lano (got) X k Metoure House, More: X + 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Liver, Reyrence: X ▲ Crab Notebook:-Googe: X ▲ Melboure_Liver, Reyre: X ▲	QL X Q Lines_Rigs_Lanc.lays: X k Methanne Housing More: X +
Liters fayers: X & Crab Nutricos - Googi X & Michows Liters fayer: X & Michows Liters fayer f	OLL X © Lines_Rigs_Lanc.lpt X & Metaure House Marce Marce Marce Marce +
Liter, Hayresen X & Crich Nutrikost - Google X & McKoure, Liver, Hayres X &	NLL X © Lines, Rige_Lanciopet: X k Mehaver Houses More: X +
Liner, Regention: X ▲ Crash hoteleoux-Georgi: X ▲ Melsoure_Liner, Beyrn: X ■ Melsoure_Liner, Beyrn: X	SLL X © Lines_Nigs_Lano.ipy: X & Mitaure House More X +
Liver, Jeyrese X & Cold Molecoles-Google X & Melkows, Jewer, Jeyres X & the Money, Jewer, Je	OLL X © Lines_Rigs_Lanc.lpm; X k Mehaware Housing Marcin; X + © Constitution-of © Medical Data Sone k Data Status k Data Status k Data Status k Data Status k A Data Status Data Status K Data Status Data Status Data Status Data Status K Data Status Data Status Data Status Data Status Data Status Data Status Data Status Data Status Data Status Data Status Data Status Data Status Data S
Liter, Hayenes X & Colo Nucleose - Google X & Mohoure, Liver, Hayen: X & Mohoure, Liver, Hayenes, W & Mohoure, Liver, Hayenes, Hayenes, W & Mohoure, Liver, Hayenes, W & Mohoure, Liver, Hayenes, W & Mohoure, Liver, Hayenes, Hay	Configure - Config
Liver. Beyenson X & Crash Nonkooks-Googe X & Mohoure_liver. Beyen: Shutter Shut	SLL X © Liver, htgs_Lanc.ign: X & Mithaure House; More X +
Liters: Regression: X ▲ Costa hundrooks - Georgin: X ▲ Methoures_Heaver, Beyren: X ■ Methoures_Heaver, Beyren ■ Methoures	QLL x @ Lines_Higs_Lano.ipy: x k Metaure Housey More: x + ① @ With outper data. ●
Liter: Segreto: X ▲ Cosh hostoos:-Googi: X ▲ Mehoure_Liter: Begr: X ■ Mehoure_Loope C • Cosh hostoos:-Googi: X ▲ Mehoure_Liter: Begr: X ■ Mehoure_Loope C • Cosh hostoos:-Googi: X ▲ Mehoure_Liter: Begr: X ■ Mehoure_Loope C • Cosh hostoos:-Googi: X ▲ Mehoure_Liter: Begr: X ■ Mehoure_Loope C • Cosh hostoos:-Googi: X ▲ Mehoure_Liter: Begr: X ■ Mehoure_Loope C • Cosh hostoos:-Googi: X ▲ Mehoure_Liter: Begr: B	QLL X © Lines_Rigs_Lano.ignt X k Metaurer Housey Marcu X + ① @ W ① @ W ① @ W 0 0 ① Constant ▲ D ● Metau Dau Son. k ButSton Daus. • ■ © One Nonerage □ Constant ▲ Sum ① ● Metau Dau Son. k ButSton Daus. • ■ © One Nonerage □ Constant ▲ Sum ② ● @ Metau Dau Son. k ButSton Daus. • ■ © One Nonerage □ Constant ▲ Sum ③ ● @ Metau Dau Son. k ButSton Daus. • ■ © One Nonerage □ Constant ▲ Sum ③ ● @ Metau Dau Son. k ButSton Daus. • ■ © One Nonerage □ Constant ▲ Sum ③ ● @ Metau Dau Son. k ButSton Daus. • ■ © One Nonerage □ Constant ▲ Sum ④ ● @ Metau Dau Son. k ButSton Daus. • ■ © One Nonerage □ Constant ▲ Sum ④ ● @ Metau Daus Son. k ButSton Daus. • ■ © One Nonerage □ Constant ● @ Metau Daus Son. k ButSton Daus. • ■ © One Nonerage • ■ © One Nonerage □ Constant ● @ Metau Daus Son. k ButSton Daus. • ■ © One Nonerage • ■ © One Nonerage □ Constant ● @ Metau Daus Son. k ButSton Daus. • ■ © One Nonerage • ■ © One Nonerage □ Constant ● @ Metau Daus. •

im Likelino M Gmail 🖸 YouTube 🦞 Maps 🔛 Breast_Cancer_HL. 🔛 Programming 🛄 NDA 🚺 YouTube 📢 Classificatio	on-of D Medical Data Scie k BraTS2020 Datas » 🔟 Other Bookmaner TEL
Linear_Ridge_Lasso.ipynb the Elle Edit View Insert Partime Toole Help All change sevent	🗖 Comment 😀 Share 🏚 🏀
Code + Text	RAM E
[19] dataset=pd.get_dummies(dataset,drop_first=True)	Usx
TAN deleves head) above	
(5 745)	
	^ ↓ ∞ 🖬 ‡ 🗋 🗄 :
<pre>k=dataset.drop('Price',axis=1) y=dataset['Price']</pre>	
+ Code + Text	
() X.shape	
(27244, 794)	
[] y.shape	
(27244,)	
[] from sklearn.model_selection import train_test_split train_X, test_X, train_y, test_y = train_test_split(X, y, test_size=0.3, random_state=2)	
[] print(train_X.shape)	
print(test_X.shape) print(train_y.shape)	
princ(cesc_y.snape)	
(8174, 744) (19070.)	
✓ 0s completed at 11:45 PM	• ×
Inser Bernstein V A frühlichterste forste V A Usbeure Inser Berne V 🖪 Mahrens besten 1911 V d	Show all X
angasuvetip A 3 melbourne.zip A 1	Show all X
angasu webp A 2 melbourne.zp A 1 TELLINes: Angenesis X 4 Colla Nandonie - Googie X 5 Hebourne. Jonard Mayers X 1 1 Mebourne. Jonardy, ULL X 0 C 1 Colla Nandonie - Colla Nandoni	Show all X
angasu webp A Tellumer.zp A Tellumer.Segretion: X A Colla Nationale-Google X & Urbaumer.Journ.Horm: X & Mathomer.Journg.Juli. X & C & Colla Nationale Angele.com/drive/tr-1/MimRed/64-82045HaPu/Amsteud/seconf.com/SEGU7 mm.Natho. M Grail & Youlde 9 Mail: Blance.Concer.Jel. @ Programming @ NoX & Youlde () Classification A Linear Series accompanh. M	Show all X Linear, Stape, Lano byes: X & Mollowine Housing Marks: X + Dr. dr. Molecul Data Scie. & Buttscool Datas. Molecul Data Scie. & Buttscool Datas. Molecul Data Scie. (Comparison of the science of the sc
Iningsoundep ∧ Prebours.zp ∧ HELLInes: Represent X ∧ Colla Nendonis-Coopi X ∧ Metoure. Josep. Harris X → Metoure. Josep. JULI X ← C ← Colla Nendonis-Coopi X ∧ A + Colla Nendonis-Coopi X ∧ Colla Nendonis-Coopie Coll. X ← muni. Methan → Monel = Tradie © Mars ≧ Meteo. Currer, H., ≧ Programming ≧ NOA ● Tradie ♠ Collastical A Linear, Ridge_Lassoci.phph ☆ R = Edit Vers Internation Tradie Help	Several X Linear, Didge, Lano byen X & Mildourne Houng Marks: X + D: ch-C D: Marked Data Sole. & Mildourne Houng Marks: + D: Che Bookeregenze Comment At Share Q C
Implaumeter x A Probleme.zp A TELLINER.Skepreter X A Gold Nitholes-Goopt X A Meteore_Liner, Hayn: X G Meteore_Journy, Toll: X G C & Gold research goople.com/drive/tr-1/mimilet/de-22/de/siu/hv/bre/du/scon/Droupsion/EB/L/7 mmit.kete. N Goal & Twitte 9 Mars B Mess.Corort.k. B Proprinting B Not 9 Initials Q Classificat & Linear, Ridge_Lass.cipyrth ☆ File Edt Verv Insert Runtime Tools Help Code + Fat	Liver, Tdgr. Lano byto X & Miboure Hearty Mitrix X + in ch. Miboure Hearty Mitrix X + in ch. Mitrix K Holdston basis. Mitrix Holdston basis. Mit
Implaument webp ∧	Linear, Tidge, Lanco Jayos X & Mithourne Housey Marker X + a ab
Implications of the method of the second of	Liner_Ridge_Lensolgyn: X & Methourse Housing Marker: X + () (2) (2) (2) (2) (2) (2) (2) (2) (2) (
Immanuella A Brakowski A A Cala Ministration A A Brakowski Merez Mayor X A A A A A A A A A A A A A A A A A A	Lines, Ridge, Leon layor X & Molecure Housing Marie: X +
Iningsunder A Problems 2p A TELLING: Segment X Constructions - Goop: X A Metaure, Lines: Tings: X Construction, South X Constructi	Lines, Ridge, Leno logoti X K Mohavere Housing Marier X + + () (2) (2) (2) (2) (2) (2) (2) (2) (2) (
Iningerunden ∧ Preiboure.zp ∧ HELLINER.JNepreser: X ▲ Color Nimboure.zp ∧ HELLINER.JNepreser: X ▲ Color Nimboure.zp ∧ HELLINER.JNepreser: X ▲ Color Nimboure.zp ∧ A Linear.Ridge_LassoLpyrb ☆ A Linear.Ridge_LassoLpyrb ☆ File Edit Vew Intert Runtime Tools Help Oods + Fort Manastree v Price on UTJ Multicapter v V(2) dataset.abupe (2724, 75)	Lines, Ridge, Leon Byoth X & Molecure Housing Marker X + +
Iningerunden A Breitenrezin Ander Sone Kinger X Betremer Lineer, Breger X Betremer Lineer, Brege	Lines_Ridge_Lanologiest x Molecure Housing Marie: x + ⓐ ☆ ♪ □ □ ↓ ⓑ ☆ ♪ ↓ ↓ ⓑ ↓ □ ↓ ⓑ ☆ ♪ ↓ ↓
Iningerunden A Problems zip A Hit Linker Angenetic X Care Nindooss - Googe X A Methoms_Linker.Hinger X G Methoms_Ansatz J. H. X Care C & Cale Nindooss - Googe X A Method - Statistic View - Statistic X - Care C & Cale Interestic Again & Method & View - Method - Statistic X - Care A Linker Addge_Lasso.jpmb A Linker Addge_Lasso.jpmb C Code + Tot C - Code + T	Litters_Eldge_Lano.byet x k Moldowner Housing Minister x + ⓐ ☆ ♪ ♪ □ ● ⓑ ☆ ♪ ♪ □ ● ●
Impacuelly A Problems 20 A Technology A A Home Joes Steps A A A Home Joes Steps A A A A A A A A A A A A A A A A A A A	Liver, Edge_Lano login X k Mohume Houng Moher X + A 20 A 1 C C C C C C C C C C C C C C C C C C
Iningerunden A Problems der Schule Ander Sch	Lines, Li
Iningsunder Iningsunder TELLINELSENSE TELLINELSE	Litter, Ridge, Leono logoti X & Moldowere Housing Marier X +
Iningsu velop	Liker, Lidge, Leono byto: X & Moldowne Houseng Marie: X + 0
Iningsunder A Problems in A A Problems in A A A A A A A A A A A A A A A A A A	Liter, Lidge, Leono by tot X & Moldowere Houseing Marie: X +
immgauvelip A Problems.jp A TELLING.JNgreater X A Calabilitations.doog: X A Mathematical Statistical Mathematical Mathematical Statistical Mathematical M	Litter, Ridge, Lano (gen) X K Melsoure Housing Melsin X +
Iningerunden	Liver, Right, Lano byn: X K Mohover Housing Marier X + + D R J A D C C C C C C C C C C C C C C C C C C
<pre>imageuredep ^ Problems.ip ^ Problems.ip ^ Problems.ip ^ Problems.ip / L / Probl</pre>	Liver, Tidge, Leon by the X K Mohourer Housing Mutrix X + 1 A the X A to A

num Lästiho. M Grail D YouTube 9 Mago Ell Breast Cancer H. Ell Programming Ell NDA El YouTube 🔿 Planation	tion-of D Medical Data Scie k BraTS2020 Datas
File Edit View Insert Runtime Tools Help	🗖 Comment 👫 Share 🌣 🌑
Code + Text	✓ RAM E Y Editing ∧
[] from sklearn.model_selection import train_test_split train_X, test_X, train_y, test_y = train_test_split(X, y, test_size=0.3, random_state=2)	
+ Code + Text	
<pre>() print(train,X.shape) print(test_X.shape) print(train,y.shape) print(test_y.shape)</pre>	
[: (1980), 744) (8174, 744) (1970),	
(21/4)	↑↓♡■/』■:
Simple Linear Regresion	
<pre>[] from sklearn.linear_model import LinearRegression reg = LinearRegression().fit(trsin_X,trsin_y)</pre>	
<pre>[) print('regscore on test dataset') reg.score(test_X,test_y)</pre>	
regscore on test dataset 0.13853683.61570984	
<pre>[] print('regscore on train dataset') reg.score(train_X,train_y)</pre>	
A December of a state of the st	
angaru.vetp ^ 1 metourre.zp ^	e i Desat X
C C C Complete B (113) PM Complete B (113) PM Complete B (113) PM Complete B (113) PM C C C C C C C C C C C C C C C C C	B Lines_Ripp_Lance layers × k Methourse Housing Meres × + +
C C Complete al (153) Part C C C Complete al (153) Part C C C C C C C C C C C C C C C C C	20 Linear, Ridge, Lance loyers x k Methourne Housing Materix x + Image: Image in the state of t
	D Linear-Ridge, Lasso, igno X K Methodare Housing Marie: X + In X Image: Signo - X K Methodare Housing Marie: X + In X Image: Signo - X K Methodare Housing Marie: X + In X Image: Signo - X K Methodare Housing Marie: X + In Medical Data Scie. K Methodare Housing Marie: X + Image: Signo - X In Medical Data Scie. K Methodare Housing Marie: X + Image: Signo - X
C Us completes if (15.5 PM Instrumbo A In	2 Linex_Kity_Lassiayen X k Metaure Haaing Marix X + 2 Linex_Kity_Lassiayen X k Metaure Haaing Marix X +
	Dierer_Ridge_Lassologen × k Metaurer Housing Marier × +
Complete all 153 PM	
	Connect Angle Account of the solution of the
* Unit Completed II 153 PM Ingulumbip * If methodnes.phong RLLinear.Regression RLLinear.Regression Ref from Alterna Linear.phong Ref Regression Ref Regression Ref Regression Ref Regression Ref Regression Ref Regression Print InterRegression Print Regression Print Regression Print (restriction Regression	
Construction	
Complete all 15374	
Construction C	
> Un complete al l'SSYM * Un complete al l'SSYM Rijhere Regression Rijhere Regression * Cab Risecond popie complete al l'SSYM * Cab Risecond popie complete al l'Addresses (Second State) * Cab Risecond popie complete al l'Addresses (Second State) * Cab Risecond popie complete al l'Addresses (Second State) * Cab Risecond popie complete al l'Addresses (Second State) * Cab Risecond popie complete al l'Addresses (Second State) * Cab Risecond Risecond State) * Cab Risecond Risecond State * Cab Risecond Risecond Risecond State * Cab Risecond Risec	D Linear, Réga, Lance Joyne X Methodene Houseing Metric X + D Linear, Réga, Lance Joyne X Methodene Houseing Metric X + C Construct X Share X Share X Share X Construct X Share X Share X Share X Method Docs Methodene X Share X Share X Methodene Docs Methodene <td< td=""></td<>
<pre>> Us competed if 15374 magaturebp ^ 1 mebourna.ip ^ Us competed if 15374 mgaturebp ^ 1 mebourna.ip ^ Us competed if 15374 mgaturebp ^ 1 mebourna.ip ^ Us competed if 15374 mgaturebp ^ 1 mebourna.ip ^ Us competed if 15374 mgaturebp ^ 1 mebourna.ip ^ Us competed if 15374 mgaturebp ^ 1 mebourna.ip ^ Us competed if 15374 mgaturebp ^ 1 mebourna.ip ^ Us competed if 15374 mgaturebp ^ 1 mebourna.ip ^ Us competed if 15374 mgaturebp ^ 1 mebourna.ip ^ Us competed if 15374 mgaturebp ^ 1 mebourna.ip ^ Us competed if 15374 C competed if 15374 C competed if 15374 C competed if 15374 f comp</pre>	D (Lever, Rége, Lanciques: x) k Methoders Househog Metrix: x) + D (Lever, Rége, Lanciques: x) k Methoders Househog Metrix: x) + Image: Comment in the second seco



After mounting the trained, I am just importing numPy, pandas, matplotlib and Seaburn libraries here. Just refresh here, after mounting your train. See, I am taking the path from Melbourne linear regression data. Melbourne, see here, from this folder, I am taking my data set, and the CSV file, which I am taking is from that particular full dot CSV, just to go to that particular file, wherever the particular file is there, Google Sheets, this one, not this one.

See here, just to go to this particular file and click here. You can see the copy path. After updating this particular copy path, just paste here. That is how you will give the data. Just

let me do path. So, my data set has been taken into your pandas data frame. Like pd.read_CSV.

Now, coming back to exploratory data analysis. I am just checking out the shape, like we, that means, I have 34,857 rows and 21 features, I have, not features, even along with the last variable, like price, we are talking about here, this one, this particular column is our target variable, remaining all the columns are features.

That means among those 21 variables, we just have to focus on only 20 variables, all the independent variables are features, and only one is target variable. Just, I am printing down what are the head files, like first five or four rows, I am checking out. This is the basic function people use.

And now, just check it. And this dataset.nunique is for checking out what each individual, suppose if you take the rooms, rooms you can see 12, that means, 12 unique numbers are there. Like, threes are, some, 3 is one number, unique number, 2 is one unique number. Likewise, we will have some 12 unique room numbers, rooms.

So, this 21 column, instead of taking all these 21 columns, I just have focused on these columns. So, let me check out from the data frame, I am just filtering out only these two, these number of columns, like 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, total 15 columns I am using, just let me check the shape here.

See here, I have only 34,857 rows and 15 columns. Earlier, the column number is 21, now the column number is 15. Now, check this function. What it indicates is, maybe in the given data set, you will be having some blanks, not filling any data, where people usually call them as nan values.

You have to deal in the data pre-processing stage or exploratory data analysis stage, you have to focus more on those details. This particular blank value can be replaced with zeros or even with the mean value of the remaining values whichever present to that particular variable or in another sense, you can just eliminate that particular row, even that is also accepted.

Because while feeding the deep, machine learning models, those models cannot accept the data that is having these nan values. So, please keep this point in your mind. So, dataset.isna.sum. Now, come to see here, for proper account, property count, distance, property count, we have three nan values, distance, one, and bedroom bathroom.

For all these four columns, I am just focusing to fill those columns with the zeros. I mean wherever those blank values are there, nan values are there, you just replace all those values with the zeros. See here. Suppose, if you go observe property count, you can see here, three blanks are there. Now here see, zero it became.

Similarly, take the distance, distance has only one. That even that 1 also becomes 0. Now, bathroom, car deck. See the car, 8728, car value now becomes 0. That means there is no blank values. What exactly blank values, I will show you. See here. Suppose, if you observe the price, there is no value here, there is no value here, there is no value here.

All these blanks see here, bedroom too, in this particular sheet, no value, no value, no value, no value, no value. No value does not mean a zero value. Now, coming back to landsize and building area. See here, only these two are left, now landsize and building area. For those columns, I am just replacing with the mean values of the remaining values.

Take the land size, wherever those blanks are there, I am just filling those values with the mean of the remaining values, that are given in the particular land size variable. Just let me run this one. Now, let me run this one, some value. See here, only region name and council areas are left. Still, I have to record something for them. I am using just dropping out, the, those columns. So, those complete rows which are having same.

See here, now this function indicates, in the entire data set, whatever you have, like suppose, suppose you have a entire Excel sheet, you see, further now, whatever data I have prepared now, for all the, entire data wherever you see, you cannot find these kind of blanks anywhere in this particular data set, which I am going to fit to the model. So, keep that point in mind.

Here, I have all, used all the strategies like to fill the nan value, value, or a blank value or a blank in the data frame. I just, for a few columns, I have filled with zero values, for a few columns, I have filled with the mean value, for few rows, for few columns, wherever the nan are present, I just have removed that entire row, removed that entire row.

You can go for this one. Suppose those number of blanks are very less. Then only you can go for this one, because with very high efforts, we are collecting the data. So, the entire deep learning, machine learning algorithms, they are very much interested, they are very much trained well, if you have very good data. So, you do not try to lose even a single data point. So, always try to use every data point whichever you have. But for the explanation sake, this is how we can do several pre-processing tasks. I hope everybody got it.

Now coming back to, observe the shape here. 27,244 rows. Earlier, the row numbers are like 34,857. Because at the end, we have pricing area, pricing column, where it has 7,610 blanks. I have removed all those rows, whichever does not contain price. Now, coming back to, usually if you observe in the columns, like the suburb, you can see, usually deep learning models, or machine learning models, they can understand only, in numbers only.

But here, you can see there are strings or categorical variable. I have to convert all these categorical variables into one hot encoder, one hot encoded variables. To do that one hot encoding, just go and browse, what exactly one hot encoding means. To do that one hot encoding, you will have a function, something like dummies in pandas, that will help you to remove that categorical variable into convert this, converting, converting whatever variables into one hard encoded variables.

Just run this command so that everything will be easier. See here, I have already told you price is nothing but my point of interest, I mean this target variable. I am just separating out x variables and, sorry, x_data and y_data, I mean features and target, or input variables and output variable. Now coming to extract the shape. See here, 744, observe carefully.

Earlier, the shape is 27, earlier the shape is actually (27244,15). Observe here, after running this one here, and that is why this problem occurred, earlier we have (27244,15).

After using the dummy function, we got 745. So, keep that in mind. I mean those 15 features has been now converted into one hot encoded 745. That is what this value, dataset. shape.

This one, 744, because we have separated out the price variable 2,744. As usually, now we have separated all the input variables and output variables. Now coming back to sklearn.model_selection import train test split, train_x,test_x, you can you usually know just x variable and y variable given, and see here, 0.3 is the, that means we are just converting the entire train data into, 70% of training data into trained data and 30% into test data.

Observe the shapes, this is how. x_train, x_test, y_train y_test. Now, we just first implement the simple linear regression model to import that, just import this linear regression, linear regression filter, train_x, train_y. After this one, obtain the regression score or another r2 score. This is the turn test data coming back to, see here. This is, in this particular problem you can observe that after training this particular model, when I am checking out my test data values on this one, the score for the test that I got is 0.138 or 13 percentage.

Whereas the, in train for the train data, I have training error that particular score is 68 percent or 0.68. That means, you can see a huge difference between 68 and 13 percentage. That means training, here, r score indicates more or less accuracy. That means in terms of loss we can say that training error is less but the test error is more, that is why we call as overfitting problem.

(Refer Slide Time: 1:02:05)

	ification-of 💶 Medical Data Scie k BraTS2020 Datas » 🛅 Other Bookn
Linear_Ridge_Lasso.ipynb 🔅	E commun. 11 chara de de
File Edit View Insert Runtime Tools Help All changes saved	Comment Share Q
Code + Text	V RAM Disk
Lasso Regression	
from sklearn import linear_model	
lasso_reg = linear_model.Lasso(alpha=50,max_iter=100,tol=0.1) lasso_reg.fit(train_X,train_y)	
[] /usr/local/lib/python3.7/dist-packages/sklearn/linear_model/_coordinate_descent.py:648: Com coef_, ll_reg, l2_reg, X, y, max_iter, tol, rng, random, positive Lasso(alpha=50, max_iter=100, tol=0.1)	vergenceWarning: Objective did not converge. You might want to :
[] print('regecore on test dataset') lasso_reg.score(test_X,test_y)	
regacore on test dataset 0.6635111369404489	
<pre>[] print('regscore on train dataset') reg.score(train_%,train_y)</pre>	
regscore on train dataset 0.6827792395792723	
[]	
Lasso With Cross Validation	
angaru webp A 🕴 mebourne.zip A	Show all
angaru sebo n i mebourne.zip n Rijiher, Reyense: X 🖞 Catal Nateosis - Gaoji X 🖞 Meboure, Jiner, Reyen X 🕃 Meboure, Josep, FALL X C 🖕 a dala research acade cataliticulti - Yumiibitelik - 87.051140-1/2014-184.000	Shew all CO Linear, Robye, Lasso Jayne X & McMourne Housely Marker X + A & A = A = C
angaruweb A I melborne.xp A I melborne.xp A I Melborne_liner_Reyni X I	© Linex_Ndy.Linex.by/fit k Meborre Housing Monitor k + © Linex_Ndy.Linex.by/fit k Meborre Housing Monitor k + 0 2 + 0 2 k 0 0 2 k 0 0 2 k 0
angaruundo A B mebourne.zip A RELiner,Raynesson: X A Colla Moldows-Google X A Mebourne.Liner,Rayne X B Mebourne.Jouring,JKUL X C & Colla Josefan Boogle.com/doing/to-110mm8od561-82005/se/ur/antwel@UncollToojJ455.cltxXAin mm.lakina. M Gnal B state 9 state Beeset,Cancer,it. B Programming B NA B tradite Q Conc & Linear,Ridgle_Lasso.jpynb & Rine Edit Ker Inter Atomic Folds	O Liner,Rige,Lassieyet X k Melbourne Housing Market X + [©] X [®] X [©] X [®] X [©] X [®] X [©] X [®] X [®] Melsai Data Sole. [®] Melsa
angarusebp ^ 1 mebourne.zip ^ RLIner_Represent X & Colla Montoous - Googin X & Mebourne_Liner_Repres X & Mebourne_Jonaing_FALL X C & Colla London Roogin Completing11:-1111111111111111111111111111111111	O Linex_Ridge_Lassolipet: X k Melbourne Housing Marks: X + [©] X [®] X k Melbourne Housing Marks: X + [©] X [®] X k Melbourne Housing Marks: X + [©] X [®] X k Melbourne Housing Marks: X + [©] X [®] X k Melbourne Housing Marks: X + [©] X [®] X k Melbourne Housing Marks: X + [©] X [®] X k Melbourne Housing Marks: X + [©] X [®] X k Melbourne Housing Marks: X + [©] X [®] X k Melbourne Housing Marks: X + [©] X [®] X k Melbourne Housing Marks: X + [©] X [®] X k Melbourne Housing Marks: X + [©] X [®] X k Melbourne Housing Marks: X + [©] X [®] X k Melbourne Housing Marks: X +
angaruseb A B meborne.zip A HLIner,Represen: X A Cola Monoosi-Googie X A Meborne_Inerg.Repres X B Meborne_Inerg.Fill. X C & colaboresent/apopie.com/drin/1:=YMmmRold64.22056/silv/v2/mobe/Ulkoro/Too/pd52.02.03.01 multidea. M Gool & olds 9 May B Mear.Concr.H. Programming B NA & molds 0 Cola A Linear Ridge_Lasso.jpynb 1: Re Edit Ven Inert Antime Tools Help Code + Flort 121 frem Atlaam Inport Linear_model Lass.gr.ept + Linear_dots1.lasse(tajhat-5); mar_iter=10; (col=0.1) Lass.gr.ept + Linear_dots1.lasse(tajhat-5); mar_iter=10; (col=0.1) Lass.gr.ept + Linear_dots1.lasse(tajhat-5); mar_iter=10; (col=0.1)	O Liters. Ridge, Lasso layers k Molecular Hausing Matrix + ⓐ xì ★ □ € Grader-of- ⓐ Madical Data Sole. k Madical Data Sole. ⓐ xì ★ □ € Grader-of- ⓐ Madical Data Sole. k Madical Data Sole. k ⓐ xì ★ □ € Gramment A: Madical Data Sole. k Madi
mgraumdp A mebourne.zp A ELLINER_Regenso: X A Code Nationals-Coopie X A Mebourne_Inerg_Regen: X & Mebourne_Inerg_Regen: X & Mebourne_Inerg_Regen: X & Mebourne_Inerg_Regense: X & Mebourne_Inergense: X & Mebourne_Inerg_Regense: X & Mebourne_Inergense: X & Meb	@ Leex.Rég.Luscipe: x k Medcure Housing Mode: x + @ ① Leex.Rég.Luscipe: x k Medcure Housing Mode: x + @ ① ① Mode: Dis Son: k Medcure Housing Mode: x + 0 #dicator-af. 0 Medcure Mode: k Medcure Housing Mode: x + 0 @ Onment 1 1 0 0 @ Domment 1 1 0 0 @ Mode: Dis Son: k 1 1 0 0 @ Domment 1 1 0 0 0 @ Mode: Dis Son: k 1 1 0 0 0 0 @ Mode: Dis Son: k 1 1 1 0<
mmgruundo A i mebourna.jp A RLiver. Reyness X A caba Missiona - Googi X A Mebourne_Jever. Reyne X A Mebourne_Jones. JR X X C & caba.research.google.com/doined/t-1006mbc/doi/Actor/doi/Actor/A	© Lree.Rég.Lssoige: X K Médourne Houding Moter: X + © Lree.Rég.Lssoige: X K Médourne Houding Moter: X + © Commet © • • © Commet ∴ New © © ✓ © © • © ✓ © © • © © ✓ © © • • © © ✓ © © © • • € filter: • • € Ø ✓ © © © © © € Ø
meghumship medbourne.hip <li< td=""><td>Verent Verencederring: Objective did not converge. Too sight want to</td></li<>	Verent Verencederring: Objective did not converge. Too sight want to
mmganumdp A 1 medbourne.jpp A Medbourne_lower_heaver.heaver Medbourne_lower_heaver.heaver Medbourne_lower_heaver.heaver Medbourne_lower_heaver.heaver Medbourne_lower_heaver.heaver Medbourne_lower_heaver.heaver Medbourne_lower_heaver.heaver Medbourne_lower_heaver.heaver Medbourne_lower_heaver.h	vergescellarzing: 00 jettive did net converge. Tos sight vant to p
mgnumbp ∧ 1 mebourne.2p ∧ ELiters.Represent X △ Code Nations.comp(X △ Mebourne_long_Input. X ○ Mebourne_books_CALKAN C • E dobt research google.com/dow/ntr_NUMMEND006-CALGOSINA.com/Mode/UncodEnopdS.ScatXAN mutheths. M Conel > holds ♀ Maps @ Means_DemandedCaLGOSINA.com/Mode/UncodEnopdS.ScatXAN File Edit Vew Insent Nutries Dools Help Code + Find 2) for scharms (mont) linear_podel] lineary_crept (linear_podel) lineary_crept (linear_podel) lineary_crept (linear_podel) /war//Long/Inflythabl.//dilates-podelspat/Altern/linear_podel/_coordinate_descent.zy/(441: Com code , linear /war//Long/Inflythabl./Milates-podelspat/Altern/linear_podel/_coordinate_descent.zy/(441: Com code , linear_pde_scatCalCalast_t) [preporte on test dataset print('resporte on test dataset	Vergencestarning: Objective did not converge. Too might want to
<pre>mmgnumdp</pre>	Image: Lance layer: * Medical Para Socie * * * Medical Para Socie * * Medical Para Socie * * * Medical Para Socie * * Medical Para Socie * * * Medical Para Socie * * * *
migrarumdp 1 medbourne.hp 1 Cluber.Hoyenson: X A Code Mankows-Google X A Medbourne_Nover.Hoyen: X E Medbourne_Nover.Howen: X E Medbourne_No	Image: Lance Lyne Medical Data Sone Me
amparuments A Implavments A RELiner.Represent: X A Conte Networks-Conget: X Methodres.Level.Represent: Construction Constructio	Image: Lance Lynne Weither State of Market X Image: Lance Lynne Weither State Of Mark



So, to deal this particular problem, we go for lasso regression or ridge regression. If you observe the lasso regression, see here, lasso, α is equal to 50, maximum iteration is like 100, tol is nothing but the tolerance level, 0.1. This is just functions only. You just have to learn how to pass this train x and train y into this one. α is equal to 50 indicates here that regularization parameter.

Suppose, let me train this model using lasso regression. See here, here also, I am not using any cross validation here. I am just using this α values, like regulation parameter only, I have used. I did not use any validation data here. Now, coming back to regression score, see here, on test data we have 0.6636, whereas on train data, we have 0.68. You can see, very minute difference is there. That means that particular overfitting problem has been dealt by the lasso regression. This is the basic difference, one should know.

To improve this model further, I have used with the cross validation, but it is taking more time to run the program. Once I explain this ridge regression and ridge cross validation, later you can observe this course. At the end, please try this one so that there is no complication.

(Refer Slide Time: 1:03:18)

imum Likeliho M Gmail 🚺 YouTube 🌻 Maps 📋 Breast_Cancer_HL. 📋 Programming 🗎 NDA 💶 YouTu	be 🖸 Classification-of 🗧 Medical Data Scie 🗼 BraTS2020 Datas × 🕅 Other Bookin
▲ Linear Bidge Lasso invnb. ☆	
File Edit View Insert Runtime Tools Help All changes saved	🗖 Comment 😃 Share 🌣 🍕
+ Code + Text	V RAM L V Editing
Ridge Regression	
	^↓☺目¢ຏ∎
from sklearn.linear_model import kidge ridge_reg = Ridge(alpha=50,max_iter=100,tol=0.1)	
[] lasso_reg.fit(train_x,train_y) [] [
<pre>/usr/iocal/lib/pythons.//disc-packages/skiearn/linear_model_coordinate_descent.p coef_, ll_reg, l2_reg, X, y, max_iter, tol, rng, random, positive lasso(dipbas60 max_iteruid0 isola0 l)</pre>	roval convergencewarning: objective did not converge. Tou might want to .
[] print('regscore on test dataset')	
lasso_reg.score(test_X,test_y)	
regacore on test dataset 0.6636111369404489	
[] print/'reoscore on train dataset']	
reg.score(train_X,train_y)	
regscore on train dataset 0.6827792395792723	
Ridge With Cross Validation	
✓ US Compresed at 11.55 Ph	
angaru xebp \land 👌 melbourne zp 🥎	Stow all
angatu webp A 3 metbourne.zp A 1	Dece all
angatu webp A Trebourne.zp A	Devial ing_TUL X © Liner_Tige_Lancipy: X k Mebourne Housing Minier X + 13 Ô � � I 6
angatu webp A I melbourne.zp A HELLINex Represent: X A Golde Netboors- Google X A Mebourne, Linex, Bayeri X I & Mebourne, Ivan C & colde hereeurch google.com(driv)to::11/mithd06/e320654/e0v./2mrbi0/Useco110-aq80/07154/1 muni Liefba. M Graal & trutule Q Maps III beau.Cercor,H Programming IIXA & trutu	Devial Intg_TULL X © Linex_Ridge_Linex.Depth X & Mebourne Housing Meter X + 10 0 & 2 & 0 & 0 10 & 0 & 0 & 0 & 0 & 0 10 & 0 & 0 & 0 & 0 & 0 & 0\\ 10 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0\\ 10 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0\\ 10 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0\\ 10 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0\\ 10 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0\\ 10 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0\\ 10 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0\\ 10 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0\\ 10 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0\\ 10 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 &
mgnusetip ∧ I settoure.zp ∧ TLLIner,Represe: X & Gold Nitebook-Google X & Mehoure_Liner,Repri: X & Behoure_Ner C & cold-research.google.com/drive/ti-frimmited/de/42/dd/sub/v2mrtwd/Uscrofflougik/70x77 mm1.kefta. M Gnal & Todate & Mas & tess.Chror.H. ≧ Programing ≧ NA & Toda & Linear,Ridge_LassO.jpynb ☆ En Ent Vers incertante. Toda Meho	ang JULI, X. Co. Lever, Maga, Levo, Joyot X. K. Methourse Housing Marker: X. + 10 Construction-of Methodul Data Serve: K. Ind S1000 Data
Ingeliuwe Angele Song Song Song Song Song Song Song Song	Constraint of the constr
Imparturetty A Brain Ammerican Conger X A Methodes - Googer X A Me	bes all sing_FALL X (20 Lines_TRips_Lansa layer: X K Mithourne Housing Muric: X + 10
Ingenuentary A Breakson - Cooper X A Methoder - Liver, Heymin X B Methoder	ber al ang_RUL X © Liner_Röp_Lansköper X & Mekourne Housing Marks: X + 10
mgmunda A I melloure.zp A H_LINex_Reyrester: X & Cose Nindoss-Googi X & Meloure_Inex_Reyre: X ≩ Meloure_And C & Cole Nindoss-Google.com(dr/n)t-:*Ninmibidle:4220364/h/k2/an-bed/U4scoffloagRe/N712A* multideta. M Gai & Tudate & Mais ≧ Mess.Carocy.H. ≧ Programming ≧ NA & Tudat & Linear_Ridge_Lasso.jpynb ☆ Rie Edit Ven Inset Rumine Tools Help Code + Test 101 from sklearn.linear_model import Ridge ridge_reg = Nidge(slpa+36,ass_iter=105,tsl=3.1)	Brew all ang JRLL X ©D Lines_Ritys_Lassiblym: X & Melbourne Housing Media: X + 10 © Constrainter-et ■ Medical Data Scie. k feel 5000 Data. © Constrainter-et ■ Medical Data Scie.
mgmundb ^ I melloure.zp ^ HLLIHer.Beyrester: X ▲ Cole Nindons- Googie X ▲ Meloure.jiew.flegre: X ■ Meloure.jiew C ▲ cole.breaserch.google.com/drive/tr-Winnihodde-82C045Huhu/Znethw6U45ec0fTourdhoW7teX/ muldeha. M Gail ● tolde ● Meas ■ Beat.Chorer.J. ■ Programming ■ NA ● told ▲ Linear_Ridge_Lasso.jpynb ☆ File Edit Ven Inset Rumine Tools Help Code + Teit 105) from sklearn.linear_model import Ridge ridge_reg = Nidge(slpa=5).max_iter=100,tsl=0.1) ● Jasso_reg.fit(trais_t,trais_y)	Brew all ang JRLL X © Lines, Rige, Lines layer: X & Melbourne Housing Motic X + 10
HLINER,Reyreson: X ▲ Gale Numbols-Galey X ▲ Meboure_Liver,Reyre X ➡ Meboure_Liver, RLLINER,Reyreson: X ▲ Gale Numbols-Galey X ▲ Meboure_Liver,Reyre X ➡ Meboure_Liver C ▲ calab.research.google.com/dim/ti-TimmRrddd-#2005HuR/w2mrtwe/Literor/TimuRrdMr/TuAT multiAnha M Gale = Tudie	ring_FULL X © Linex_Rige_Linex.loget X & Medicame House Marker X + + 13
magniturbip A If melbourne.pp A BLLINER_Represent X A Melbourne.pp A BLLINER_Represent X A Melbourne.pp A If the Melbourne.pp C is cold-research google.com/drive/to-filmmind/odf-82206/sight-schweid/Melbourne.pp Mole The Melbourne.pp Mole	seg JUL X @ Lees, Nag, Leon byn X & Mekoure House Meker X + + 10
Ingeliandly A Problems.pp A HLLINER_Mayness: X ▲ Cool Nindooss-Googi X ▲ Advance_Inex_Mays: X ■ Badowney C ▲ cold-research.google.com/divn/1:-1WinnHeddol-422063HuFu/2nrbud/UkronTousPuW7DaX7 mut.Maths. M Goal ● toulds ♀ Mass ■ Beast_Career,H. ■ Programming ■ NA ● toul & Linear_Ridge_LassO.jpynb ☆ File Edit Vew Insent Runtme Tools Help Code + Test [35] from Aklaman.IIInear_model import Ridge ridge_reg = Minge(sight=*1, sam_iter=(0; sigh=1)) © Iness_reg.fil(train_X,train_y) [//arr/local/1/M/yrston1.7/dist-packages/sitesrn/linear_model/_coordinate_dencemt.p code; 11:reg, 12:reg, X, y, ass_iter, tol, reg, random, positive Lasso(sight=90, sam_iter=(0; tol=1))	eng JUL X @ Lees JAge_Lens byer X & Mekburne Housing Make: X + 10
Immgaturatép ∧ Problema.sp ∧ RLIherr, Reynetic X ∧ Caté Nindocis-Gongi X ∧ Arbaure, Liver, Hagen X ≧ Makama, Liver, Jagen X ≧ Caté Nindocis-Gongi X ∧ Arbaure, Liver, Jagen X ≧ Caté Nindocis-Gongi X ∧ Arbaure, Liver, Jagen X ≧ Caté Nindocis-Gongi X ∧ Arbaure, Liver, Jagen X ≧ Caté Nindocis-Gongi X ∧ Arbaure, Liver, Jagen X ≧ Caté Nindocis-Gongi X ∧ Arbaure, Liver, Jagen X ≧ Caté Nindocis-Gongi X ∧ Arbaure, Liver, Jagen X ≧ Caté Nindocis-Gongi X ∧ Arbaure, Liver, Jagen X ≧ Caté Nindocis-Gongi X ∧ Arbaure, Liver, Jagen X ≧ Caté Nindocis-Gongi X ∧ Arbaure, Liver, Jagen X ≧ Caté Nindocis-Gongi X ∧ Arbaure, Liver, Jagen X ≧ Caté Nindocis-Gongi X ∧ Arbaure, Liver, Jagen X ≧ Caté Nindocis-Gongi X ∧ Arbaure, Jagen X → Arbaure, Jagen X	ter JALL X GO (new, Régu, Jaco byer X & Melbourne Housing Marker X + + 10 O X + O (new, Régu, Jaco byer X & Melbourne Housing Marker X + + 10 O X +
magnitude A I melloume.pp A HLINER_Represent X A Collek Nindools - Google X A Melloume_Linex_Hugen: X I Melloume_Linex_Hugen: X RLINER_Represent X A Collek Nindools - Google X A Melloume_Linex_Hugen: X I Melloume_Linex_Hugen: X I Melloume_Linex_Hugen: X RLINER_Represent M Good Totable V Magnitude Melloume_Linex_Linex_Hugen: X I Melloume_Linex_Hugen: X I Melloume_Linex_Hugen: X Melloume_Linex_Linex_Hugen: X I Melloume_Linex_Hugen: X I Melloume_Lin	rifili: ConvergenceMarning: Objective did not converge. You might want to
ImageLandpic A ImageLandpic A HELINER_MEMORY X A Other Hendelses - Google X A HELINER_MEMORY A Code Hendelses - Google X A Mediamer. And the Analysis - A C Code Hendelses - Google X Make B Mediamer. And the Analysis - A Make B Mediamer. A Make B Make B Mediamer. A Make B Mediamer. A Make B Mediamer. A Make B Make B Mediamer. A Make B Mediamer. A Mediamer. A Make B Mediamer. A Mediamer. A	seg JALL X © Lines JAge Lansa bye: X & Medbourne House Monte Y + + 10
Imaginuship A Imabiours.pp A TELINER_SNymetic X C Gide Nindoces - Google X A Medioure_Linex_Bayes: X Imabioure_Linex_Bayes: X Imabioure_Linex Imabiour	seg JALL X © Lines Joy X & Mohoure involution Minis X + 10
ImageLunder A ImageLunder A RLLinex_Degreen: X A Other Networks of A C a Other Networks A A C a Other Networks A A C a Other Networks A A C a Other Network A A C a Other Network A A Mainteen A Mainteen Mainteen Programming NGA Profit C Tele Edit Ven Inset Rumme Tools Help Code + Test E	regular X © Leve_Rige_Lano.by: X & Medourne Housey Marie X + + 10
ImageLundsp A ImageLundsp A RLinex_Represent X C Guide Noteboors-Goopt X A Mehourm_Leex_Represent X Tethourm_too C is colde research geogle complifying: "ImmEndded-62205000 // 2014 // 20	rg full X @ Lees, Nag, Leos byn X & Mekoure House House X + + to ① Constructor of . ● Medour Das Son & M
<pre>immgntundip ^ * * *******************************</pre>	r:641: ConvergenceMarxing: Objective did not converge. You might want to
<pre>impstundsp ^ * * *******************************</pre>	rfell: Convergescellaring; Objective did not converge. Tou might want to ↑ + + ∞ □ ¢ 0 is ↑ + + ∞ □ ¢ 0 is
<pre>impstundsp ^ * * *******************************</pre>	rrféli: Coverrgescettarning: Objective did not coverge. You might want to



Now, coming back to ridge regression. Here also, this function, import this ridge regression function, α is equal to 50, max_iterations is equal to 100, tolerance level is equal to 0.1. That is it. Let me run this one.

Next, lasso underscore regression dot fit of train_x , train_y. Let me check the regression score here. Here, this particular score, here that particular score indicates the r2 score only, or R^2 square value. See here, 0.66, 0.68, very minute difference is there, not much. Earlier, if you observe the simple linear regression, 13 percentage and 68 percentage, see how much difference is there. So, that is how you can dealt.
(Refer Slide Time: 1:04:21)

m Likeliho M Gmail 🖸 YouTube 💡 Maps 📋 Breast_Cancer_H 📋 Programming 📋 NDA 🔯 YouTube 🔘 Class	sification-of 🖸 Medical Data Scie 🗼 Brall'S2020 Datas × 🗎 Other Bookma
Linear_Ridge_Lasso.ipynb ☆ File_Edit_View_Insert_Runtime_Tools_Help_All_chances.saved	🗖 Comment 😀 Share 🏚 🎼
Code + Text	RAM E Felting
Didge With Cross Velidetian	
Ridge with Cross validation	
Com ablance linear model impact bides	↑ ↓ ∞ □ ↓ 0 ■ :
from sklearn.ineer_model import klage from sklearn.model_selection import GridSearchCV	
ridge=Ridge()	
parameters={'alpha':{le-15,le-10,le-8,le-3,le-2,l,5,10,20,30,35,40,45,50,55,100}} rides represented ((Sarch(W)rides parameters scoring hes man squared error' cre5)	
ridge_regressor.fit(train_X,train_y)	1
/usr/local/lib/python3.7/dist-packages/sklearn/linear_model/_ridge.py:157: LinAlgWarning: I.	11-conditioned matrix (rcond=1.14601e-22): result may not be accur
return linalg.solve(A, Xy, sym_pos=True, overwrite_a=True).T /usr/local/lib/python3.7/dist-packages/sklearn/linear_model/_ridge.py:157: LinAlgWarning: I	11-conditioned matrix (rcond=1.14481e-22): result may not be accur
return linalg.solve(A, Xy, sym_pos=7rue, overwrite_a=True).T /usr/local/lib/python3.7/dist-packages/sklearn/linear model/ ridge.py:157: LinAlgWarning: I.	11-conditioned matrix (rcond=1.1414e-22): result may not be accura
return linalg.solve(A, Xy, syn pos=?rue, overwrite a=True).T /war/local/lib/nython3.7/dist-markages/sklearp/linear model/ ridge.nw:157: Lin&lo@arning: T	11-conditioned matrix (roond=1.14861e-22); result may not be accur
return linalg.solve(A, Xy, syn_pos=True, overwrite_a=True).T /usr/lcesl()ib/ustbol3 7/dist-nachaese/sklawn()inaar model/ vides mult7; Linbletarning, T	11-conditioned matrix (records) 14554-21); result may not be accur
return linalg.solve(A, Xy, sym_pos=7rue, overwrite a=True).T	
<pre>/usriocal/lib/pychons.//dist-packages/sklearn/linear_model/_ridge.pyris/f Linargwarningf 1. return linalg.solve(A, Xy, sym_pos=True, overwrite_a=True).T</pre>	il-conditioned matrix (roond=1.149/4e-20)? result may not be accur
<pre>/usr/local/lib/python3.7/dist-packages/sklearh/linear_model/_ridge.py:157: LinklgWarning: I. return linalg.solve(A, Xy, sym_pos=?rue, overwrite_a=True).?</pre>	<pre>ill-conditioned matrix (rcond=1.13856e-20): result may not be accur</pre>
<pre>/usr/local/lib/python3.7/dist-packages/sklearn/linear_model/_ridge.py:157: LinAlgWarning: I return linalg.solve(A, Xy, sym_pos=7rue, overwrite_a=True).T</pre>	11-conditioned matrix (rcond=1.14452e-20): result may not be accur
<pre>/usr/local/lib/python3.7/dist-packages/sklearn/linear_model/_ridge.py:157: LinAlgWarning: I return linalg.solve(A, Xv, svn pos=True, overwrite a=True).T</pre>	11-conditioned matrix (rcond=1.14471e-20): result may not be accur
/usr/local/lib/python3.7/dist-packages/sklearn/linear_model/_ridge.py:157: LinAlgWarning: I.	11-conditioned matrix (rcond=1.14096e-20): result may not be accur
GridSearchCV(cv=5, estimator=Ridge(),	
✓ 0s completed at 11:56 PM	• x
angalaneo - 📄 mooone.go	CO Linear, Ridge, Lanco Jayob X & Moldourre Housing Minin X +
angelaunder · j mitocome.gr · j	CO Linez,Róge,Lassolynt X & Meltoure Housey Marin X +
II.Linex.Represent: X & Cold Motocom-Gospin X & Methoume_Linex.Repres X & Methoume_Moning_FULL C & Cold Research google.com/drivint1=1/Minimited/6-82065/6/A/2/method/MiscolTion-drie600/MiniS2 C multishes. M God & Pode & 9 Mais & Media: These Clock K. & Methods & Dode	CO Linear, Ridge, Lassoniquet: X k Mellowere Houseng Marie: X +
Ingenienze X Goldo Makoka-Gaugo X Goldo Makoka-Gaugo X Goldo Makore, Jaerz Anger X Goldo Makoka-Gaugo X Goldo Mako	CD Liver, Ridge, Lassa layoti X K Melboure Housing Marin X +
RLiters-Regression: X Δ. Colde Notebooks-Cooper: X Δ. Methoures_Teager: X Ξ. Methoures_Teager, 2FALL X C (a. colde seearch google.com/drive1to-1mmiRcd60-82C6616/hv/2mcbu64/Bccoll1bo-dm86000/mm821 mm1Aahaa M Geal (B. India 9. Mark) (B. Mark) (B. India 9. Const Δ. Linesr, Fiddge_Lasso, Joynto (Δ.) Δ. Linesr, Fiddge_Lasso, Joynto (Δ.) (B. Edit Vers Inster Atumine Tools Help	© Unew_Holgs_Lanc.op/fi X k Maßore Housing Marie: X + © ☆ ☆ □ © ☆ ☆ □ € affection dr. ■ Maßor Das Son. k bit 3320 Darss. * © @ @ # Q Comment ±1 Stare € € €
BLUINER,Regensor A Colab Nationals- Google X A Methoume_Linear_Regense X Methoume_Linear_Regense X X Methoume_Linear_Regense X X Methoume_Linear_Regense X X Methoume_Linear_Regense X	CO Linex.Ridge,Laso byte: X ↓ Webcare Housey takes: X ↓ ↓ Li ☆ ☆ A □ € € € € € € € € € € € € € € € € € €
BLUINER, Regressor X & Colab Mandoons - Googin X & Methoume, Linex, Regres X If Methoume, Losex, JRUL X C is colab research google.com/drive/11/br/11	C0 Linex.Ridge,Laso byth X K Methoure Housing Materix + Linex.Ridge,Laso byth X K Methoure Housing Materix + Linex.Ridge,Laso byth X K Methoure Housing Materix + • Linex.Ridge,Laso byth X K Methoure Housing Materix + • • Linex.Ridge,Laso byth K Methoure Housing Materix + • • • Linex.Ridge,Laso byth K Methoure Housing Materix + •
BLUINER_Represent A Collab Matebooks-Googer X A Methoume_Linear_Represent X Methoume_Linear_Represent X Methoume_Linear_Represent X Methoume_Linear_Represent X Methoume_Linear_Represent X Methourse_Linear_Represent X Methoume_Linear_Represent X Methourse_Linear_Represent X X Methourse_Linear_Represent X X Methourse_Linear_Represent X X X X X X X X X X	CO Lines.Rige_Laso.byth X ↓ Motionre Housing Marie X ↓ ↓ CO Lines.Rige_Laso.byth X ↓ Motionre Housing Marie X ↓ ↓ Sector ef Modeal Data Son. & Potionre Housing Marie X ↓ ↓ Comment 1 Sone ↓ Elsing A
BLUINER_Represent X A Cold Mindoods - Googe X A Melbourne_Unerg_Neget: X Immunolity C immunolity A Cold Mindoods - Googe X A Melbourne_Unerg_Neget: X Immunolity C immunolity A Cold Mindoods - Googe X A Melbourne_Unerg_Neget: X Immunolity Melbourne_Unerg_NELL X C immunolity Melbourne_Unerg_Neget: X Immunolity Melbourne_Unerg_Neget: X <	CO Linear, Ridge, Lasso byto: X & Methourne Housing Matrix X +
Billherer, Begresson: X Colleb Noteboors-Cooper X A Methoume_Inear_Begress X Wethoume_Inear_Begress X C A colleb Neteboors-Cooper X A Methoume_Inear_Begress X Wethoume_Inear_Begress X C A colleb Neteboors-Cooper X A Methoume_Inear_Begress X Wethoume_Inear_Begress X C A colleb Neteboors-Cooper X A Methoume_Inear_Begress X Wethoume_Inear_Begress X This Methou Methoume_Inear_Begress X B methouse_Inear_Begress X B Methoume_Inear_Begress X B Methoume_Inear_Begress X Linear Fiddge_LassoLipyth Const Const Ender Fred Methoure_Inear_Begress X B methouse Const Code + Tred Ridgege With Crosss Validation Prove Nationary. Josets Nidges Free Nationary. Josets Jestection Support ScidBearctory	Connert Linguigencianti X Medicario educing tativit X A A A A A A
Millioner, Regensers X A Colla Mandoonia, - Google X A Medicarme, Linear, Regenser X Medicarme, Linear, Regenser RLL.Linear, Regensers X A Colla Mandoonia, - Google X A Medicarme, Linear, Regensers X Medicarme, Linear, Regensers C is collab.research.google.com/drive/th: "ImmiRrdddH-R2Collab.ru/cumburdd/Maccurl/Loc-dim6dOc0Mime321 muttakaba M Goall Torolab. Q Coare A Linear, Ridge, Lassica, Dyrnth C File: Edit Vew Insert: Rurlime: Tools: Help Code Herit Ridge: Medicarme, Linear, model: Insport: Midge from Millearm	Image: Second part of the second part
Billiner, Regensor X A Colla Ministeria A Ministeria Ministeria Billiner, Regensor X A Colla Ministeria A Ministeria Ministeria C a colla breakent googla comptifying the Ministeria Ministeria Ministeria Ministeria C a colla breakent googla comptifying the Ministeria Thomain dolla bleakent googla comptifying the Ministeria Ministeria Ministeria M Colla Thomain dolla Thomain dolla Thomain dolla A Linear, Ridge Lasso Joynth C File Edit Veen Inset Rutime Tools Help Code + Text Ridge With Cross Validation Of from Aliceraonell_selection Of from Aliceraonell_selection	transformer: CO Lineer,Ridge,Lasso byto: X ↓ Wetkourre Housing Vaterix X ↓ C Strain Andread Data Scie. & HoldS2D Data ↓ Contre Housing Vateria Comment: At Stave © © Out
Implementary Implementary Implementary International programment Implementary Implementary Implementary Implementary Implementary Implement	Convert House Unit: X + Convert House Unit: X + Convert A Sure 0 Convert
till beer Begevenn x and Database Cooper x and Methoders Lines Begevenn x and Database Society and S	Image: Contract Additional applicity Image: Contract Additional applicity Image: Contract Additional applicity Image: Contract Additional applicity Image: Contract Additional applicity Image: Contract Additional applicity Image: Contract Additional applicity Image: Contract Additional applicity Image: Contract Additional applicity Image: Contract Additional applicity Image: Contract Additional applicity Image: Contract Additional applicity Image: Contract Additional applicity Image: Contract Additional applicity Image: Contract Additional applicity Image: Contract Additional applicity Image: Contract Additional applicity Image: Contract Additional applicity Image: Contract Additional applicity Image: Contract Additional applicity Image: Contract Additional applicity Image: Contract Additional applicity Image: Contract Additional Additio
Implementary Implementary	C Liver, Higs, Lao Lyni X (Metoure Houng Marin X + C Liver, Higs, Lao Lyni X (Metoure Houng Marin X + C C Liver, Higs, Lao LyniX (Metoure Houng Marin X + C C Liver, Hig
A Control Mutuality A Control Mutuality A Mutu	10 Unere. Rége_Lancularit X (* Meñoure Hounig Unier X + afacano-d. Meñoz Dan Son: (* ButSkon Dan L. *) in the benerator of Commer 1: Sure 0 (*) 10 commer 1: Sure 0 (*) 11 constitutioned matrix (recond-1.1461b-22); result may not be accur 11 constitutioned matrix (recond-1.1461b-22); result may not be accur
Implementary Implementary	<pre>intermediationsed matrix (recond-1,14481-22); result may not be accura 11-conditionsed matrix (recond-1,14481-22); result may not be accura</pre>
Implementary Implementary Implementary Implementary Implementary I	<pre>Contrest.High_Lano.hym X (Matterne Haung Materix X +</pre>
HLLINER Represent X ▲ Cold National-Coopi X ▲ Medicum_Liner_Reprint X ▲ Medicum_Local_REP.X X ▲ Cold National-Coopi X ▲ Medicum_Liner_Reprint X → M	I treat figure lance gave X (Methodere Houseng Materix X) () () () () () () () () ()
The Linear Regression X The Control Networks - Cooper X The Mean Processing - X The Control Network - Cooper X The Mean Processing - X The Control Network - Cooper X The Control Netwo	10 Derer, Höge, Lenco Lynt X (Melcoure Housing Unit: X +
<pre>https://www.international.com/ x ▲ Methourme_Inser_Mays: x ▲ Met</pre>	<pre>inclusion during (cond-1,1441a-22); result any not be accur liconditioned matrix (reond-1,1441a-22); result any not be accur</pre>
 Inducements A construction of the second sec	Interestings, Lancaper X (Mathematic Haung Mathematic X) +
The Line Superson X & Cold Monocon-Coope X & Monore Line Super X & Monore Josef Juli X C & Cold Monocon-Coope X & Monore Line Super X & Monore Josef Juli X C & Cold Monocon-Coope X & Monore Line Super X & Monore Josef Juli X C & Cold Monore Josef V & Star Barrier Control (1997) & Cold Monore Josef Juli X C & Cold Monore Josef V & Star Barrier Control (1997) & Cold Monore Josef Juli X C & Cold Monore Josef V & Star Barrier Control (1997) & Cold Monore Josef Juli X C & Cold Monore Josef V & Star Barrier Control (1997) & Cold Monore Josef Juli X C & Cold Monore Josef V & Star Barrier Control (1997) & Cold Monore Josef Juli X C & Cold Monore Josef V & Star Barrier Control (1997) & Cold Monore Josef V & Cold Monore Josef V & Star Barrier Control (1997) & Cold V	10 Derez fögs_Lenciajent X (Melcoure Housing Unier: X +
The Descent of the D	Including datrix (recond:1.1441a-2); result any not be accor Incoditioned datrix (recond:1.1441a-2); result any not be accor
<pre>https://www.international.com/international</pre>	<pre>intermediations matrix (recond-1.1441a-22); result may not be accur laconitions matrix (recond-1.1441a-24); result may not be accur laconitions matrix (recond-1.1441a-24); result may not be accur laconitions matrix (recond-1.1441a-24); result may no</pre>





Till now, we did not use, to tune this hyper parameters, we did not use any cross validation, sorry, validation data till now here. Now, if you observe this ridge regression with the cross validation data, till now, I have dealt whatever I told you, simple linear regression and ridge regression and lasso regression, all are with, all are with only, without validation data.

Now ridge regression, we are dealing with the validation data. The score or the metric, I am observing here is negative mean squared error, observe here. This is not a r2 score value, please keep that point in mind. Now let me run this on ridge regression. Just learn how to use whichever algorithms, well, that is more than enough. See, it is taking some time. See, here, I am trying different α values, 1, 2, 3, 4, 5, 6, 7, 8, like this, from 10 to the power of minus 50 into 100.

Still, it is going. Our ultimate thing is to train error and test error or train whatever metric you are going to use, those metrics should be almost close to each other for the training and testing. Then only we can say that they are going to do as a, okay, here, I am observing the negative mean squared error, please keep that in mind, not R² value. Now, I am printing down the best parameters and matrix.

See here, for the CV is equal to 5, I have used that means I am dividing the entire thing into some cross validation of 5. Here is, that is the parameter. That means instead of using the entire train data, whatever I have given as a 70% data, among the data, few points will

be act as a validation data also here, please keep that in mind. That is where the cross validation part will come.

Now, use the regression score on this one, and regression score on this one. These are negative mean squared error only, not the, that one. See, observe both the values, you can see that both are almost close to each other, like 12 and 13. Maybe the value is large. That is how we will tackle the regression problems whenever there is any overfitting problem, we encounter with the either ridge regression or lasso regression.

You just observe, with, by removing these comments, whatever I have sent into that particular folder, data, just print this one, these two things also. GridSearchCV indicates that cross validation part only. Please go through this one. This is the end of the tutorial. Thank you so much.