

**Medical Image Analysis**  
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**Lecture 37**  
**Neural Networks Introduction**

Hello, and welcome back. From this week on, we will start to look at machine learning methods for medical image analysis. We will start off with a linear regression. It is one of the similar techniques for machine learning, in machine learning. And from there, we will try to understand how, how learning methods work, and specifically, we will move on to artificial neural networks and then into a convolutional neural network, which is specifically meant for analyzing image signals. So, we will conclude with that. So, this comes to the last portion of the course. So from this week, like we said, we will look at linear regression and gradient descent. Thank you.