

Module 2 Transcript

Video 2.1: Introduction to module two

Welcome to module two, Introduction to machine learning. In this module, we will start with two very fundamental, yet important questions. We will discuss what is machine learning? We'll see that a lot of machine learning is about learning functions that map inputs to outputs from data. And we will discuss why we would want to use machine learning? We'll see that two major use cases are forecasting and inference. After that, I will provide an overview of the machine learning landscape, and I will discuss how machine learning differs from statistics? And I will bring up some of the major dividing lines of machine learning, such as prediction problems versus classification problems, supervised versus unsupervised learning, as well as, parametric versus non-parametric methods. In the last part of this module, I will consider some of the practical aspects of machine learning. We will walk through the ten steps that a typical machine learning project consists of, and we'll discuss some of the real-life examples of machine learning.