Welcome

Machine learning is everywhere, but is often operating behind the scenes.

This introduction to the specialization provides you with insights into the power of machine learning, and the multitude of intelligent applications you personally will be able to develop and deploy upon completion.

We also discuss who we are, how we got here, and our view of the future of intelligent applications.

Less

Why you should learn machine learning with us

Slides presented in this module

Welcome to this course and specialization   1 min

Who we are   6 min

Machine learning is changing the world   4 min

Why a case study approach?   7 min

Specialization overview   6 min

Who this specialization is for and what you will be able to do

How we got into ML   3 min

Who is this specialization for?   4 min

What you'll be able to do   1 min

The capstone and an example intelligent application   7 min

The future of intelligent applications   2 min

Getting started with the tools for the course

Reading: Getting started with Python, IPython Notebook & GraphLab Create

Reading: where should my files go?

Getting started with Python and the IPython Notebook

Download the IPython Notebook used in this lesson to follow along

Starting an IPython Notebook   6 min

Creating variables in Python   7 min

Conditional statements and loops in Python   8 min

Creating functions and lambdas in Python   4 min

Getting started with SFrames for data engineering and analysis

Download the IPython Notebook used in this lesson to follow along

Starting GraphLab Create & loading an SFrame   5 min

Canvas for data visualization   4 min

Interacting with columns of an SFrame   4 min

Using .apply() for data transformation   5 min