Introduction to Artificial Intelligence

Welcome!

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Agenda

- Today:
  - ML Review (Overview) Continued
- The rest of the week:
  - Deep Learning with Neural Networks
  - Reinforcement Learning
  - Applications and Capstone Project

Today's Schedule

9:00 - 10:30 am PT Classification (Logistic Regression)

- Lecture
- Lab

Break 9:50 - 10:00 am PT

10:30 am - 12:00 pm PT K-Nearest Neighbors

- Lecture
- Lab

Lunch 12:00 - 1 PM PT

1:00 - 2:50 PM PT Review Unsupervised Learning I

- Lecture
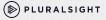- Lab

Break 2:50 - 3:00 pm PT

3:00 - 5:00 PM PT Review Unsupervised Learning II

- Lecture
- Lab

How we're going to work together

- You'll have a copy of the course materials shortly
  - We'll be using Jupyter notebooks again

- You'll be following along in the notebook and..
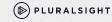 - doing coding exercises/labs inside the notebook as well

Today's Key Learning Objectives

- Develop intuition for probability, odds, and log-odds
- Be able to build some example machine learning classifiers in python
- Construct a confusion matrix
- Group data using a clustering method

Questions?

Thank you!

If you have any additional questions, please ask!If

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