Previous Unit 9 of 9

100 XP

Summary

3 minutes

We covered a lot of new jargon in this module. Let's recap what we've learned:

- The goal of machine learning is to find patterns in data and use this to make estimates
- Machine learning differs from normal software development in that we use special code, rather than our own intuition, to improve how well the software works.
- The learning process conceptually uses four components:
- **Data** about the topic we are interested in.
- A **model**, which makes estimates.
- An **objective** the model is trying to achieve.
- An **optimizer**, which is the additional code that changes the model depending on its performance.
- Data can be thought of as features, and labels. Features correspond to potential model inputs, while labels correspond to model outputs, or desired model outputs
- Pandas and Plotly are powerful tools to explore datasets in Python
- Once we have a trained model, we can save to disk for later use.

Module complete:

Unlock achievement