Refine and test machine learning models

52 min • Module • 9 Units

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Beginner   AI Engineer   Data Scientist   Student   Azure

When we think of machine learning, we often focus on the training process. A small amount of preparation before this process can not only speed up and improve learning but also give us some confidence about how well our models will work when faced with data we have never seen before.

Learning objectives

In this module, you will:

- Define feature normalization
- Create and work with test datasets
- Articulate how testing models can both improve and harm training

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Prerequisites

Familiarity with machine learning models

This module is part of these learning paths

Understand data science for machine learning

Foundations of data science for machine learning

Introduction
2 min

Normalization and standardization
4 min

Exercise – Feature normalization
8 min

Test and training datasets
4 min

Exercise - Test and train datasets

10 min

Nuances of test sets

6 min

Exercise – Test set nuances

12 min

Knowledge check

3 min

Summary

3 min