



900 XP ▶

Tune hyperparameters with Azure Machine Learning

46 min • Module • 8 Units

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Intermediate Data Scientist Azure Machine Learning Azure Portal

Choosing optimal hyperparameter values for model training can be difficult, and usually involved a great deal of trial and error. With Azure Machine Learning, you can leverage cloud-scale experiments to tune hyperparameters.

Learning objectives

Learn how to use Azure Machine Learning hyperparameter tuning experiments to optimize model performance.

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Prerequisites

- Knowledge of Python
- Experience of training models using the Azure Machine Learning SDK

This module is part of these learning paths

[Build and operate machine learning solutions with Azure Machine Learning](#)

Introduction

1 min

Defining a search space

3 min

Configuring sampling

3 min

Configuring early termination

3 min

Running a hyperparameter tuning experiment

3 min

Exercise - Tune hyperparameters

30 min

Knowledge check

2 min

Summary

1 min