



800 XP ▶

Measure and optimize model performance with ROC and AUC

30 min remaining • Module • 2 of 7 units completed

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Beginner AI Engineer Data Scientist Student Azure

Receiver operator characteristic curves are a powerful way to assess and fine-tune trained classification models. We introduce and explain the utility of these curves through learning content and practical exercises.

Learning objectives

In this module, you will:

- Understand how to create ROC curves
- Explore how to assess and compare models using these curves
- Practice fine-tuning a model using characteristics plotted on ROC curves

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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



Analyze classification with receiver operator characteristic curves

4 min



Exercise - Evaluate ROC curves

8 min

Compare and optimize ROC curves

4 min

Exercise - Tune the area under the curve

12 min

Knowledge check

3 min

Summary

3 min