

800 XP

Measure and optimize model performance with ROC and AUC

30 min remaining • Module • 2 of 7 units completed

★★★★ 4.7 (40) Rate it

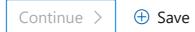
Beginner Al Engineer Data Scientist Student Azure

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



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