1000 XP

Confusion matrix and data imbalances

52 min • Module • 9 Units

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Beginner   AI Engineer   Data Scientist   Student   Azure

How do we know if a model is good or bad at classifying our data? The way that computers assess model performance sometimes can be difficult for us to comprehend or can over-simplify how the model will behave in the real world. To build models that work in a satisfactory way, we need to find intuitive ways to assess them, and understand how these metrics can bias our view.

Learning objectives

In this module, you will:

- Assess performance of classification models
- Review metrics to improve classification models
- Mitigate performance issues from data imbalances

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Prerequisites

Basic familiarity with classification 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

Confusion matrices
4 min

Exercise – Building a confusion matrix
8 min