



1000 XP ▶

Create and understand classification models in machine learning

50 min remaining • Module • 1 of 9 units completed

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Beginner AI Engineer Data Scientist Student Azure

Classification means assigning items into categories, or can also be thought of automated decision making. Here we introduce classification models through logistic regression, providing you with a stepping-stone toward more complex and exciting classification methods.

Learning objectives

In this module, you will:

- Discover how classification differs from classical regression
- Build models that can perform classification tasks
- Explore how to assess and improve classification models

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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



What are classification models?

4 min

Exercise - Build a simple logistic regression model

8 min

Assessing a classification model

4 min

Exercise - Assessing a logistic regression model

10 min

Improving classification models

6 min

Exercise - Improving classification models

12 min

Knowledge check

3 min

Summary

3 min