



1000 XP ►

Train and evaluate regression models

52 min • Module • 9 Units

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Intermediate Data Scientist Visual Studio Code

Regression is a commonly used kind of machine learning for predicting numeric values.

Learning objectives

In this module, you'll learn:

- When to use regression models.
- How to train and evaluate regression models using the Scikit-Learn framework.

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Prerequisites

- Basic mathematical concepts
- Programming with Python

This module is part of these learning paths

[Create machine learning models](#)[Foundations of data science for machine learning](#)

Introduction

2 min

What is regression?

8 min

Exercise - Train and evaluate a regression model

8 min

Discover new regression models

5 min

Exercise - Experiment with more powerful regression models

10 min

Improve models with hyperparameters

5 min

Exercise - Optimize and save models

10 min

Knowledge check

3 min

Summary

1 min