



Code Academy Berlin

Data Science & Machine Learning

Massnahmenummer: 955 / 25 / 2024

5 months | full-time onsite | 840UE

About Us

Code Academy Berlin has been founded with the vision of creating a **unique, local and familiar learning environment** for talents from all over the world. We strongly believe that **starting a new career** is more than just acquiring knowledge, but about the **experience along the way**. Our syllabuses in Data Science and Web Development are designed to give you the opportunity to **follow your own ideas, take ownership in your personal projects** and reach your individual milestones.

Why choose Code Academy Berlin

- **On campus** full time training with close-knit **community**
- **Small groups** of maximum 10 students per mentor
- Daily live classes and easy access to **individual mentor support**
- One week of **career coaching** included in the course

About the Course

The Data Science & Machine Learning program aims to give all the training necessary to find a position as junior data analyst right at the end of the course.

It is suitable for complete beginners to experienced developers and is composed of 3 progressions from 3 to 5 months:

Data Analyst 3 months			Advanced Data Analyst 4 months		Data Science & Machine Learning 5 months
Week 1 - 2	Week 3 - 6	Week 7 - 11	Week 12	Week 13 - 16	Week 17 - 21
Module 1 Python Tableau	Module 2 Statistics ML Classification & Visualization	Module 3 Times Series ML Regression	Career Services: CV review, Berlin tech insights	Module 4 SQL E-Commerce Clustering (ML) Data Pipelines	Module 5 Final tutored Project, Deep learning, NPL

What you will Need

- basic level of **English**
- working **laptop** (can be lent one at no extra fee)
- full **dedication** and **motivation**
- **availability** to work **full-time** 5 days per week

Nice to Have

- an **academic degree** increases your chances on the job market considerably
- **German** as a foreign **language**





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Modules detail

UE

Days

Data Analytics Intro

Data Abstraction & Charts, Tableau, Story Telling
Basic programming in Python: Data Types, Loops, Conditions
Statistics, Numpy

40
40
40

5
5
5

Python for Data Analytics

Data Wrangling & Visualizations: Pandas & Seaborn
Statistical Analysis: significance, univariate, multivariate
Machine Learning Classification

40
40
80

5
5
10

Advanced Data Visualization, Time Series

Time Series
Machine Learning Regression

40
80

5
10

SQL

Basic and intermediate SQL
Advanced SQL & Exploratory data analysis
Machine Learning Clustering

80
80
80

10
10
10

Tutored Project

Deep Learning, Natural Language Processing, Web
Development and Data Pipelines

160

20

Career Coaching

CV, LinkedIn, Github, agile SCRUM

40

5

840 UE

105 Days

