**Data Scientist with Python DataCamp**

CAREER TRACK

Gain the career-building Python skills you need to succeed as a data scientist. No prior coding experience required.

In this track, you'll learn how this versatile language allows you to import, clean, manipulate, and visualize data—all integral skills for any aspiring data professional or researcher. Through interactive exercises, you'll get hands-on with some of the most popular Python libraries, including pandas, NumPy, Matplotlib, and many more. You'll then work with real-world datasets to learn the statistical and machine learning techniques you need to train decision trees and use natural language processing (NLP). Start this track, grow your Python skills, and begin your journey to becoming a confident data scientist.

* Python
* 88 hours
* 23 Courses

[**https://learn.datacamp.com/career-tracks/data-scientist-with-python?version=4**](https://learn.datacamp.com/career-tracks/data-scientist-with-python?version=4)

1. Introduction to Python
2. Intermediate Python
3. PROJECT. TV, Halftime Shows, and the Big Game Load, clean, and explore Super Bowl data in the age of soaring ad costs and flashy halftime shows.
4. Data Manipulation with pandas
5. PROJECT. The Android App Market on Google Play Load, clean, and visualize scraped Google Play Store data to understand the Android app market.
6. Merging DataFrames with pandas
7. PROJECT. The GitHub History of the Scala Language Find the true Scala experts by exploring its development history in Git and GitHub.
8. Introduction to Data Visualization with Matplotlib
9. Introduction to data visualization with seaborn
10. Python Data Science Toolbox (Part 1)
11. Python Data Science Toolbox (Part 2)
12. Intermediate Data Visualization with Seaborn
13. PROJECT. A Visual History of Nobel Prize Winners Explore a dataset from Kaggle containing a century's worth of Nobel Laureates. Who won? Who got snubbed?
14. Introduction to Importing Data in Python
15. Intermediate Importing Data in Python
16. Data Cleaning in Python
17. Working with Dates and Times in Python
18. Writing Functions in Python
19. Exploratory Data Analysis in Python
20. Analyzing Police Activity with pandas
21. Statistical Thinking in Python (Part 1)
22. Statistical Thinking in Python (Part 2)
23. PROJECT. Dr. Semmelweis and the Discovery of Handwashing Reanalyse the data behind one of the most important discoveries of modern medicine: handwashing.
24. Supervised Learning with scikit-learn
25. PROJECT. Predicting Credit Card Approvals Build a machine learning model to predict if a credit card application will get approved.
26. Unsupervised Learning in Python
27. Machine Learning with Tree-Based Models in Python
28. Case Study: School Budgeting with Machine Learning in Python
29. Cluster Analysis in Python