

Introduction to Data Science (Python)

Understand the concepts and tools that form the foundation of the data science ecosystem in Python, with plenty of examples and hands-on practice.

Data wrangling

Load, transform and analyze data.

Data visualization

Visualize data to build intuition and derive insights.

Statistics and machine learning

Perform statistical analysis and hypothesis testing.

Learn the basics of training, evaluating and using ML models.

	Day 1	Day 2	Day 3	Day 4	Day 5
09:00	Intro numpy basics	Data visualization with matplotlib and seaborn	Probability 101	Practice session #4 Statistical analysis	Intro to ML continued Preprocessing Model evaluation and selection Practice session #5 ML basics
17:00	pandas basics Practice session #1 Data wrangling	Exploratory data analysis Practice session #2 EDA	P. s. #3 - probability Statistics 101	Introduction to machine learning What is ML? Basic terms ML workflow K-Means, decision trees, and linear regression	Closing remarks

Prerequisites:

- Python programming
- Comfortable with highschool-level mathematical topics