

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

Prerequisites:

- Python programming
- Comfortable with highschool-level mathematical topics