

Python from Zero to Data Science

Report of Contributions

Contribution ID: 1

Type: **not specified**

First Steps in Python (Part 1)

Monday 13 November 2023 09:00 (3h 30m)

In this first section, you will have the first contact with your Python programming tool and together with your instructors, you will write your very first programs. This covers learning about variables, data types, conditional execution, looping, and input- and output-functions.

Presenter: ERXLEBEN, Fredo (Helmholtz-Zentrum Dresden-Rossendorf)

Session Classification: Introduction to Python

Contribution ID: 2

Type: **not specified**

First Steps in Python (Part 2)

Tuesday 14 November 2023 09:00 (3h 30m)

In the second part, you will encounter a few more useful Python features like collection data types and writing and executing functions and modules.

Presenter: ERXLEBEN, Fredo (Helmholtz-Zentrum Dresden-Rossendorf)

Session Classification: Introduction to Python

Contribution ID: 3

Type: **not specified**

Supervised practice

Monday 13 November 2023 13:30 (3h 30m)

In the self-paced exercise, you can apply your new knowledge to some exercise problems. The instructors are available to help you in case you have questions or want feedback.

Presenter: ERXLEBEN, Fredo (Helmholtz-Zentrum Dresden-Rossendorf)

Session Classification: Introduction to Python

Contribution ID: 4

Type: **not specified**

Supervised Practise

Tuesday 14 November 2023 13:30 (3h 30m)

In the second self-paced exercise, you can apply your new knowledge to more complex problems designed to lead you towards creating somewhat larger and more complex programs. The instructors are available to help you in case you have questions or want feedback.

Presenter: ERXLEBEN, Fredo (Helmholtz-Zentrum Dresden-Rossendorf)

Session Classification: Introduction to Python

Contribution ID: 5

Type: **not specified**

Introduction to Pandas

Thursday 16 November 2023 09:00 (3h 30m)

Get to know the popular data processing framework. Learn about the underlying data structures and how to use them for shaping and processing tabular data.

Presenter: ERXLEBEN, Fredo (Helmholtz-Zentrum Dresden-Rossendorf)

Session Classification: Introduction to Pandas

Contribution ID: 6

Type: **not specified**

Supervised Practise

Thursday 16 November 2023 13:30 (3h 30m)

Try your hand at a real-live weather data set!

The instructors are available to answer the questions, give feedback and help you along should you get stuck.

Presenter: ERXLEBEN, Fredo (Helmholtz-Zentrum Dresden-Rossendorf)

Session Classification: Introduction to Pandas

Contribution ID: 7

Type: **not specified**

Introduction to Matplotlib

Friday 17 November 2023 09:00 (3h 30m)

Become acquainted with the often-used plotting framework for Python. Learn about the different ways to programmatically create visualizations for your data.

Presenter: ERXLEBEN, Fredo (Helmholtz-Zentrum Dresden-Rossendorf)

Session Classification: Introduction to Matplotlib

Contribution ID: 8

Type: **not specified**

Supervised Practise

Friday 17 November 2023 13:30 (3h 30m)

Try your hand at a variety of visualization tasks for different use cases!

The instructors are available to answer the questions, give feedback and help you if you get stuck.

Presenter: ERXLEBEN, Fredo (Helmholtz-Zentrum Dresden-Rossendorf)

Session Classification: Introduction to Matplotlib

Contribution ID: 9

Type: **not specified**

Open Consultation

Wednesday 15 November 2023 13:30 (3h 30m)

In this open Q&A, learners can get all their Python-related questions answered, be it related to the course material, best practices or advanced topics.

Presenter: ERXLEBEN, Fredo (Helmholtz-Zentrum Dresden-Rossendorf)

Session Classification: Open Consultation