

RSE Bootcamp Part 1: Python



Report of Contributions

Contribution ID: 1

Type: **not specified**

Day 1: Welcome and Organization

Wednesday 3 May 2023 09:00 (30 minutes)

Contribution ID: 2

Type: **not specified**

Variables and Data Types

Wednesday 3 May 2023 09:30 (1 hour)

How to store information in computer memory and what do the bits and bytes mean?

Session Classification: Introduction to Python

Contribution ID: 3

Type: **not specified**

Conditionals

Wednesday 3 May 2023 11:00 (30 minutes)

How to check for conditions and make decisions based on those.

Session Classification: Introduction to Python

Contribution ID: 4

Type: **not specified**

Loops

Wednesday 3 May 2023 11:30 (1 hour)

Repeating actions based on conditions or for each element in a data set.

Session Classification: Introduction to Python

Contribution ID: 5

Type: **not specified**

Functions

Wednesday 3 May 2023 13:30 (1h 30m)

The building blocks for more complex programs

Session Classification: Introduction to Python

Contribution ID: 6

Type: **not specified**

Lists and Tuples

Wednesday 3 May 2023 15:30 (1 hour)

Storing multiple values in a structure

Session Classification: Introduction to Python

Contribution ID: 7

Type: **not specified**

Importing modules

Wednesday 3 May 2023 16:30 (30 minutes)

Organizing projects and gaining access to functionalities from libraries

Session Classification: Introduction to Python

Contribution ID: 8

Type: **not specified**

Series and DataFrames

Thursday 4 May 2023 09:30 (1 hour)

Learn about the building blocks of Pandas.

Session Classification: The Pandas-Framework

Contribution ID: 9

Type: **not specified**

Accessing, Filtering and Modifying Data

Thursday 4 May 2023 11:00 (1h 30m)

All the basic operations needed for every-day data science

Session Classification: The Pandas-Framework

Contribution ID: **10**

Type: **not specified**

Self-guided exercise

Thursday 4 May 2023 13:30 (3h 30m)

Build experience on real-life examples with the Instructors as backup.

Session Classification: The Pandas-Framework

Contribution ID: **11**

Type: **not specified**

Introduction to Matplotlib

Friday 5 May 2023 09:30 (1 hour)

Learn about the anatomy of a plot and how to set up a basic visualization.

Session Classification: The Matplotlib-Framework

Contribution ID: **12**

Type: **not specified**

Multiple plots

Friday 5 May 2023 11:00 (1h 30m)

How to create subdivided plots and fine-tune axes and figures.

Session Classification: The Matplotlib-Framework

Contribution ID: 13

Type: **not specified**

Self-guided exercise

Friday 5 May 2023 13:30 (3h 30m)

Practice your skills on several varied examples with an instructor as backup.

Session Classification: The Matplotlib-Framework

Contribution ID: 14

Type: **not specified**

Day 2: Welcome and Organization

Thursday 4 May 2023 09:00 (30 minutes)

Contribution ID: 15

Type: **not specified**

Day 3: Welcome and Organization

Friday 5 May 2023 09:00 (30 minutes)