

# **Generating Plots with Matplotlib**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

# Welcome and Introdoction

*Friday 10 March 2023 09:00 (15 minutes)*

Contribution ID: 2

Type: **not specified**

## About Matplotlib

*Friday 10 March 2023 09:15 (15 minutes)*

A quick general introduction to the framework.

**Session Classification:** Theory

Contribution ID: 3

Type: **not specified**

# Introducing Pyplot

*Friday 10 March 2023 09:30 (20 minutes)*

Getting to know the commonly used helper functions to quickly generate basic plots.

**Session Classification:** Theory

Contribution ID: 4

Type: **not specified**

## Multiple Plots

*Friday 10 March 2023 09:50 (20 minutes)*

Learn how to organize multiple plots within one figure.

**Session Classification:** Theory

Contribution ID: 5

Type: **not specified**

# The Object-oriented Style

*Friday 10 March 2023 10:10 (10 minutes)*

A quick introduction to alternative approaches for using matplotlib

**Session Classification:** Theory

Contribution ID: 6

Type: **not specified**

## Matplotlib + Pandas

*Friday 10 March 2023 10:20 (10 minutes)*

Learn how to combine the plotting framework with the data processing framework pandas

**Session Classification:** Theory

Contribution ID: 7

Type: **not specified**

## Questions & Answers

*Friday 10 March 2023 11:00 (15 minutes)*



Contribution ID: 8

Type: **not specified**

## Introduction to the Exercise

*Friday 10 March 2023 11:15 (15 minutes)*

Contribution ID: 9

Type: **not specified**

## Part 1

*Friday 10 March 2023 11:30 (1 hour)*

Get a first hands-on experience with some introductory tasks.

**Session Classification:** Hands-on Session

Contribution ID: **10**

Type: **not specified**

## Part 2

*Friday 10 March 2023 13:30 (1h 30m)*

Explore various aspects of the plotting framework to fine-tune your visualization

**Session Classification:** Hands-on Session

Contribution ID: **11**

Type: **not specified**

## Part 3

*Friday 10 March 2023 15:30 (1h 30m)*

Tackle more tricky plots that require additional efforts to get realized.

**Session Classification:** Hands-on Session