DATA VISUALIZATION IN PYTHON

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Data Visualization in Python

- **matplotlib**
  - Python 2-D/3-D plotting library (virtually fully-customizable figures).

- **pandas**
  - Create, analyze and manipulate two-dimensional data.

- **seaborn**
  - Plotting library based on matplotlib for statistical graphics.

- **plotly**
  - Serves to create and deploy interactive data visualizations.
Motivation

- Engage the audience when presenting results through **attractive** and **effective** data **visualization**.
**Motivation**

- **Scientific programming** helps overcoming **reproducibility** issues.
Motivation

- Keeping **track** of the **changes** (version control) you make to your code.
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- Coding is fun! It offers a large variety of tools to solve problems in an efficient manner.
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**This is a review of my motivation for data visualization in Python but… how about you?!**
Framework of this session

- Notebook for the **Hands-on session** (including short-exercises).
- Notebook with **Exercises** (for practicing after the session).
- Notebook with the **Answers** for the previous Exercises.