

# Lecture VIII - Data Visualization

Programming with Python

Dr. Tobias Vlček

## **Quick Recap of the last Lecture**

# Data Visualization

- Data visualization is the process of creating visual representations of data
- It allows us to understand the data in a more intuitive way
- It helps us to identify patterns, trends, and outliers in the data

# Beautiful Plotting

- There are many libraries for data visualization in Python
- Some of the most popular libraries are:
  - Matplotlib
  - Seaborn
  - Plotly
  - Bokeh
  - Altair
  - GeoPandas
  - Geoplot
  - Geoplotlib

# Matplotlib Module

# Seaborn Module

# Plotly Module

# Dash Module



# Bokeh Module