

# Lecture VIII - Data Visualization

Programming with Python

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## **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