


# 3-Data Visualization 1

By: eng. Esraa Madhi

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## Charts types:

<https://chartio.com/learn/charts/essential-chart-types-for-data-visualization/>

 Essential Chart Types for Data Visualization • chartio.com

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## Python library for visulization:

There are several Python libraries used for visualization, each with its own strengths and use cases. Below are some of the most widely used visualization libraries in Python:


1. **Matplotlib:** This is one of the most popular Python plotting libraries, used for creating static, interactive, and animated visualizations in Python. It provides a wide range of plots and graphs, such as line charts, bar charts, histograms, scatter plots, and more.
2. **Seaborn:** Seaborn is built on top of Matplotlib and provides a higher-level interface for drawing attractive and informative statistical graphics. It simplifies the process of creating certain types of plots, including heat maps, time series, and violin plots.
3. **Plotly:** Plotly is an interactive graphing library that enables you to build complex interactive plots. It can create plots that users can interact with, such as zooming in and hovering over data points to see more information. Plotly supports a range of plot types, including 3D charts and geographic map visualizations.

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## How to choose the right chart?

<https://chartio.com/learn/charts/how-to-choose-data-visualization/>

 How to Choose the Right Data Visualization • chartio.com

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## How to choose the chart colors?

<https://chartio.com/learn/charts/how-to-choose-colors-data-visualization/>


 How to Choose Colors for Data Visualizations • chartio.com

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## Good Examples and bad Examples:

<https://www.polymersearch.com/blog/10-good-and-bad-examples-of-data-visualization>

 10 Good and Bad Examples of Data Visualization • Polymer • www.polymersearch.com

<https://ninjatables.com/bad-data-visualization-examples/>

 Top 8 Data Visualization Examples: Good, Bad, and Prohibited • ninjatables.com

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**Note:** for each chart there is a guide, ex: [scatter plot](#)

## Resources :

<https://www.thoughtspot.com/data-trends/data-visualization/types-of-charts-graphs>



10 Types of Charts And Graphs For Data Visualization • [www.thoughtspot.com](http://www.thoughtspot.com)