

Introduction to Spreadsheet

Graphs in Spreadsheet

Objective: You will

- Learn how to display data by creating visualizations.
- Gain more meaningful insights with spreadsheets.
- Learn how graphs help you view and analyze your data.

Types of Graphs

You need graphs to represent various domain points in a more realistic and simplified way. There are many different kinds of graphs. Here are a few examples that you will use in this course:

- **Line Graph:** Used to visualise the information that is connected over time.
- **Pie Chart:** This chart is used to illustrate numerical proportions in a circular statistical graph.

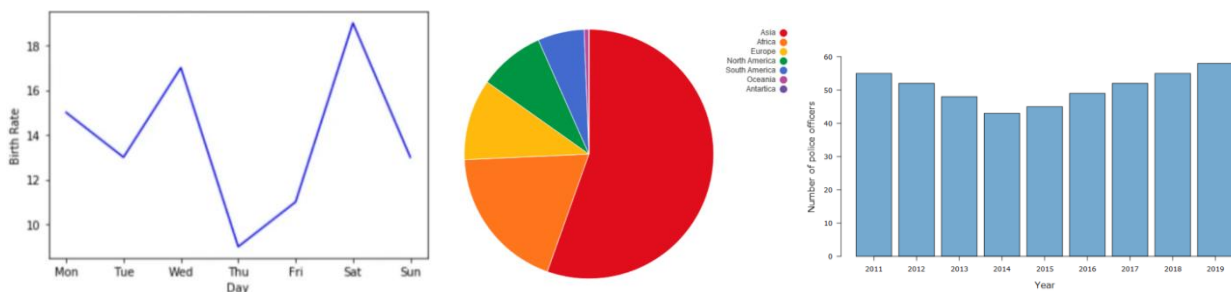


Figure 1: (From Left to Right) Line Graph, Pie Chart and Bar Graph

- **Bar Graph:** Bars are used to compare data among categories. It can be both horizontal or vertical.

- **Scatter Plot:** Along the x-axis and y-axis values of two variables are plotted as dots.
- **Histogram:** An approximate representation of the distribution of numerical data. The vertical bars represent the frequency of occurrence by classes of data.

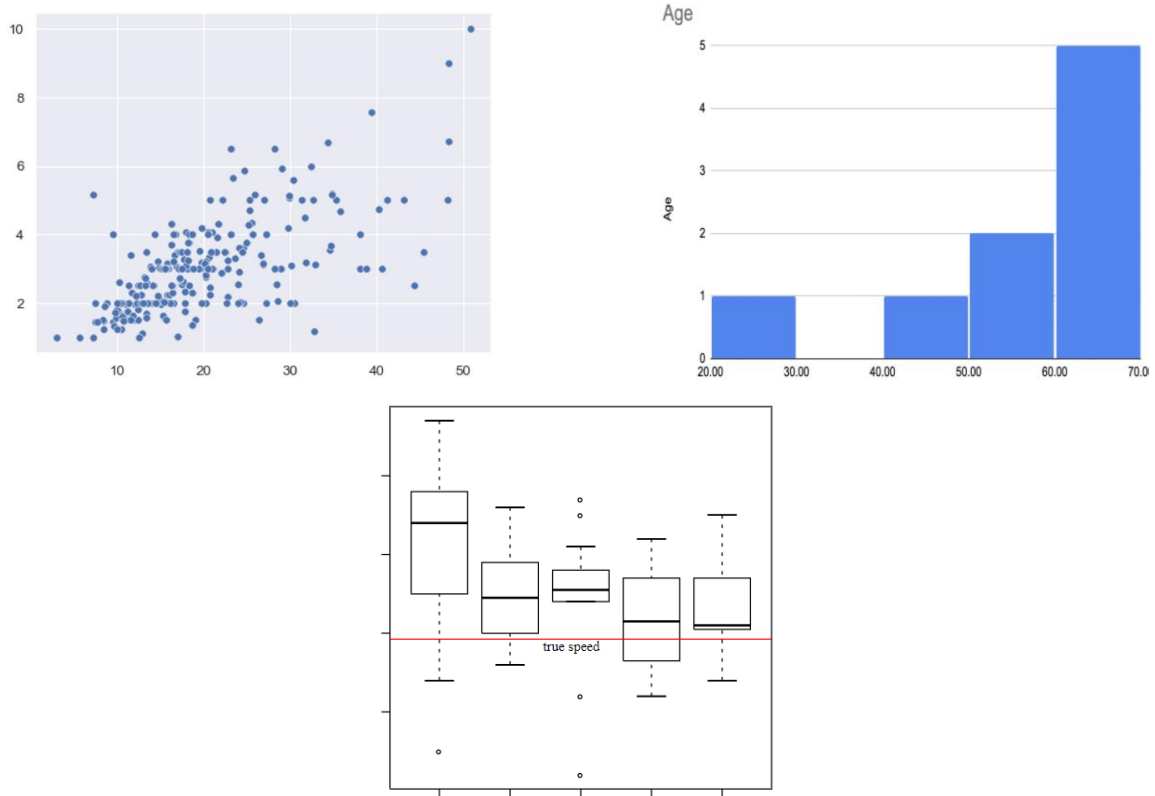


Figure 2: (From Top Left to Right) Scatter Plot, Histogram and Box Plot

- **Box Plot:** It displays the five-number summary of a set of data. The five-number summary is the minimum, first quartile, median, third quartile, and maximum.

Read More

- https://en.wikipedia.org/wiki/Box_plot
- <https://seaborn.pydata.org/generated/seaborn.scatterplot.html>