

**Class: BE-Computer; Semester: VIII**  
**Subject: Applied Data Science Lab**  
**Experiment No.: 03**

**AIM:** Data Visualization

**THEORY:** [Importance of Data Visualization.](#)

- [What is the Purpose of Data Visualization?](#)
- [Benefits of Data Visualization tools.](#)

Demonstrate Univariate Visualization using the following

- Histogram
- Bar chart
- Quartile plot
- Distribution chart

Demonstrate Multivariate Visualization using the following

- scatterplot
- Scatter Matrix
- Bubblechart
- Density Chart
- Heat map

**Implementaion details**

Data set used

Libraries

- Seaborn
- Bokeh
- Plotly
- matplotlib