

S3 MCA (2023-25 Batch)

20MCA241 Data Science Lab

Lab Exercise #03

Date of Submission: 24 Aug 2024

1. Learn **Exploratory Data Analysis** using the following links and prepare your own worksheet.

- <https://gist.github.com/rabiulcste/33d985ab55820353181f9727a9496a81>

2. Download the **dataset iris.csv** from the following link

- <https://gist.github.com/netj/8836201/archive/6f9306ad21398ea43cba4f7d537619d0e07d5ae3.zip>
- Using Python, visualize the various characteristics of the dataset.
- Use Google Colab for implementation.
- Define your own conditions to learn the characteristics
- After each visualization write your findings
- Use the following types of charts for visualization:
 1. Histogram
 2. Quartile (Box) plot
 3. Distribution chart
 4. Scatterplot
 5. Scatter multiple
 6. Scatter matrix
 7. Bubble chart
 8. Density chart
 9. Parallel chart
 10. Deviation chart
 11. Andrews curves