

Answers (25%)	Coding Efficiency (25 %)	Viva (25%)	Timely Completion (25%)	Total	Dated Sign of Subject Teacher
5	5	5	5	20	

Expected Date of Completion:..... Actual Date of Completion:.....

Group A

Assignment No: 10

Title of the Assignment: Data Visualization III

Download the Iris flower dataset or any other dataset into a DataFrame. (e.g., <https://archive.ics.uci.edu/ml/datasets/Iris>). Scan the dataset and give the inference as:

1. List down the features and their types (e.g., numeric, nominal) available in the dataset.
2. Create a histogram for each feature in the dataset to illustrate the feature distributions.
3. Create a box plot for each feature in the dataset.
4. Compare distributions and identify outliers.

Objective of the Assignment: Students should be able to perform the data Visualization operation using Python on any open source dataset

Prerequisite:

1. Basic of Python Programming
2. Seaborn Library, Concept of Data Visualization.
3. Types of variables

Assignment Questions

1. For the iris dataset, list down the features and their types.
2. Write a code to create a histogram for each feature. (iris dataset)
3. Write a code to create a boxplot for each feature. (iris dataset)
4. Identify the outliers from the boxplot drawn for iris dataset.