

MES Wadia College of Engineering Pune-01

Department of Computer Engineering

Name of Student:	Class:
Semester/Year:	Roll No:
Date of Performance:	Date of Submission:
Examined By:	Experiment No: Part A-10

PART: A) ASSIGNMENT NO: 10**Title: 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.

OBJECTIVES:

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

PREREQUISITE:

- Basic of Python Programming.
- Seaborn Library, Concept of Data Visualization.

APPARATUS:

- Programming Language: Python.

CONCLUSION:**QUESTIONS:**

1. For the iris dataset, lists 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.