

MIT WORLD PEACE UNIVERSITY

Data Science for Cybersecurity and Forensics

Third Year B. Tech, Semester 6

DATA VISUALISATION AND ANALYSIS ON A
DATASET

ASSIGNMENT 4

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1 Aim

To perform data visualisation and analysis on a dataset using Python.

2 Objectives

To Plot the following:

1. Figures in matplotlib
2. Scatter plots in matplotlib and Seaborn
3. Scatter plots in Bokeh
4. Preparation of line plot data
5. Line plots in matplotlib, Seaborn, and Bokeh

3 Theory

4 Platform

Operating System: Windows 11

IDEs or Text Editors Used: Visual Studio Code

Compilers or Interpreters: Python 3.10.1

5 Requirements

```
1 python==3.10.1
2 matplotlib==3.8.3
3 numpy==1.26.4
4 pandas==2.2.2
5 seaborn==0.13.2
```

6 Code

7 FAQs

- 1.

8 Conclusion