



Issue Date: 10th May, 2025

Due Date: 15th May, 2025 (Thursday at 11:59)

"Python Assignment 06"

Dataset = "Netflix Movies and TV Shows"

Numpy Tasks

1. Create a NumPy array of release years. Find earliest and latest year and most frequent release year.
2. Filter and count Movies longer than 90 minutes using NumPy.
3. Calculate total number of TV Shows added between 2015–2020 using array filtering.

Matplotlib Tasks

4. Make a Pie chart on Movies vs TV Shows ratio.
5. Make a Bar chart on Top 10 countries with most content.
6. Draw a Line graph having Total shows added per year.

Dataset = "Suicide Rates Overview 1985 to 2016 – Kaggle"

Numpy Tasks

7. Create a NumPy array of suicide rates and calculate

Global mean, max, and standard deviation.

8. Filter data using NumPy for male vs female suicide rates in a selected country.

Matplotlib Tasks

9. Make a Bar chart on top 10 countries by suicide rate.
10. Make a Pie chart on gender distribution of suicides for a specific year.

Dataset = "Goggle Play Store Apps"

Numpy Tasks

11. Filter apps with rating ≥ 4.5 and count them using NumPy.
12. Use NumPy to find the average number of installs for free apps only.

Matplotlib Tasks

13. Make a Histogram on distribution of apps ratings.
14. Make a Pie Chart on Free vs Paid apps comparison.
15. Bar chart: Number of apps in each category (e.g. GAME, EDUCATION, TOOLS).

Please Note that all the Datasets are uploaded to Google Classroom.