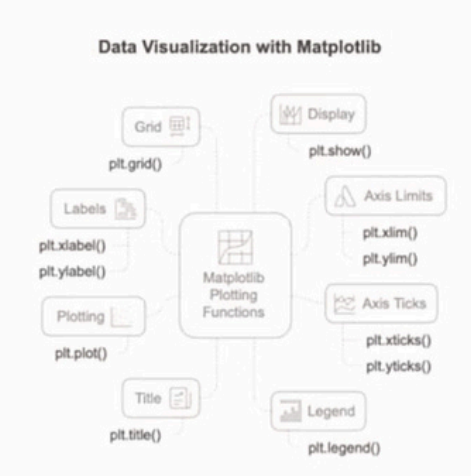
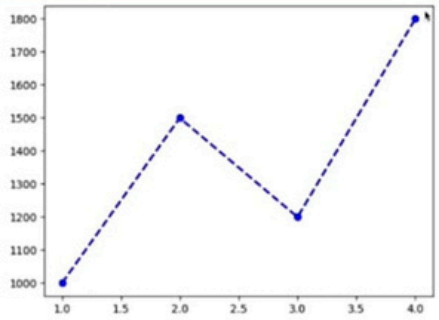


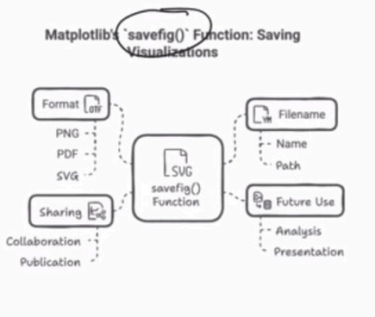

```
#plt.plot(x, y, color='color name', linestyle='line_Style',linewidth=value, marker='marker symbol', label='label name')
import matplotlib.pyplot as plt

months = [1,2,3,4]
sales = [1000, 1500, 1200, 1800]

plt.plot(months, sales, color='blue', linestyle='--', linewidth = 2, marker = 'o', label='2025 sales data')
plt.show()
```



Step Name	What We'll Do
Load the data	Read the CSV file using `pandas`.
Clean the data	Handle missing values, remove duplicates, fix columns if needed.
Understand the data	Use `head()`, `info()`, `describe()` to explore the dataset.
Identify questions to answer	What do we want to know? (E.g., Movies vs TV Shows, content ratings, etc.)
Visualize the data (EDA)	Use **Matplotlib** to draw charts and answer these questions visually.
Save the plots	Use `plt.savefig()` for your reports.



Library	Purpose
`pandas`	Data loading, cleaning, exploration
`matplotlib.pyplot`	Plotting all types of graphs
`plt.plot()`	Line chart
`plt.bar()`, `plt.barh()`	Bar charts (vertical/horizontal)
`plt.pie()`	Pie chart
`plt.hist()`	Histogram (distribution check)
`plt.scatter()`	Scatter plot
`plt.subplot()` / `plt.subplots()`	Multiple plots (subplots)
`plt.tight_layout()`	Fix overlapping labels

Click and drag, release when you're finished

Question	Chart Type	Matplotlib Function
How many **Movies vs TV Shows**?	Bar Chart	`plt.bar()`
What is the **percentage of each content rating** (PG, R, TV-MA)?	Pie Chart	`plt.pie()`
How has the **number of releases changed over the years**?	Line Plot	`plt.plot()`
What is the **distribution of movie durations**?	Histogram	`plt.hist()`
Relationship between release year and number of shows?	Scatter Plot (optional)	`plt.scatter()`
Top 10 countries with the highest number of shows?	Bar Chart (Horizontal)	`plt.barh()`
Compare **multiple plots together** (e.g., Movies vs TV Shows by Year)	Subplots	`plt.subplot()` / `plt.subplots()`