



Most Asked Questions

Lecture: Data Visualization with Matplotlib
Lecture date: 06-08-2025

▼ Top 10 Technical Queries:

1. Query: "importing matplotlib.pyplot is showing error"

Answer: This may occur due to incorrect spelling (matpotlib instead of matplotlib) or the package not being installed. Run pip install matplotlib in your terminal to fix it.

2. Query: "Why do some functions require a "." in between while importing? Like "matplotlib.pyplot", versus importing pandas as just "np""

Answer: matplotlib.pyplot is a submodule of the matplotlib library. In contrast, pandas as pd or numpy as np are aliases. Dot notation is used when accessing submodules inside a package.

3. Query: "Could you please explain shape method in terms of dimension and what's use of it?"

Answer: The .shape method returns the number of rows and columns of a dataset in the form (rows, columns). It helps understand the dataset's size and structure.

4. Query: "what is ipynb" / "what is isipynb" / "Sir can I get the ipynb file after class?"

Answer: .ipynb stands for "IPython Notebook"—a file format used by Jupyter Notebook that allows code, visualizations, and markdown notes. Yes, it is usually shared after class.

5. Query: "code to upload file?"

Answer: You can use:

python





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```
from google.colab import files
uploaded = files.upload()

Or, in Jupyter:
python

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import pandas as pd

df = pd.read_csv("filename.csv")
```

6. Query: "what is the thing inside figure? what is (8,6)?" **Answer:** (8, 6) defines the figure size in inches (width=8, height=6) when using plt.figure(figsize=(8,6)).

8. Query: "can u please explain this line plot elaborately with each line and method explanation"

Answer: A line plot uses plt.plot(x, y) to show trends. plt.xlabel(), plt.ylabel(), and plt.title() are used for labeling. Each line in the code modifies the plot's structure.

9. Query: "what will be the snippet to get line graph for selling_price against year?"

Answer:

python

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```
plt.plot(df['year'], df['selling_price'])
plt.xlabel('Year')
plt.ylabel('Selling Price')
plt.title('Selling Price vs Year')
```





plt.show()



Y Top 10 Non-Technical Queries

- 1. Query: "Can you please ask sir to share the file so that we can code and understand together?"
- 2. Query: "Where can I get this dataset?" / "Dataset link?" / "cardata.csv link??"

Answer: Datasets have been shared via, WhatsApp community during the session. We shall also update this to lecture notes.

3. Query: "Is this ipynb file also shared somewhere?"

Answer: Yes, .ipynb files used during class are usually shared on the LMS under session resources or links shared in chat.

4. Query: "Any idea what is that nice extension the instructor is using, which has run all, restart etc options?"

Answer: The instructor is likely using Jupyter Notebook or VS Code with Jupyter **extensions**. These extensions provide those control buttons.

5. Query: "Sorry I'm late, was engaged in some work... which topic is going on?"

Answer: You can refer to the session recording or the slides shared. Always check the LMS for session recording and notes.

6. Query: "So this is just a graphical representation of the

Answer: Yes, line plots and other charts are used for visual representation of patterns or trends in the data.





8. Query: "How can we import this PDF dataset?"

Answer: If it's a structured table in PDF, use tools like tabula-py or pdfplumber.

However, instructors will usually provide CSV versions.