SESSION PLAN	
Session Name	Data Visualization with Matplotlib
Learning Outcomes	
 Build custom plots with matplotlib and Pandas Catch trends, anomalies and patterns in data with visualizing data 	

Prerequisites for the Student

- Python Programming
- Data Wrangling with Pandas

Student Activities

- Why is visualization important? (30 mins)
 - https://www.digitalvidya.com/blog/introduction-data-visualization-in-python/

Know which plot is suitable for different types of data and use accordingly

- https://towardsdatascience.com/data-science-with-python-intro-to-data-visualization-and-matplotlib-5f79
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- Overview of Data Visualization with Matplotlib (60 min)
 - Matplotlib basics
 - Histograms
 - Box Plots
 - Scatter Plots
- Practice problems on Matplotlib basics, Histograms, Box Plots, Scatter Plots, Plot Customization. (10 min)
 - Refer the GitHub repo for problems
- Quiz on Data Visualization with Matplotlib. (10 min)
- Code Along (125 min)
- Questions and Discussion on doubts AMA (30 mins)

Next Session

- Concept Summarizing data with statistics (30 mins)
- Key topics to be highlighted highlight where they would need to spend more time and importance w.r.t Data Science.
 - Introduction to types of data
 - Measures of Central Tendency
 - Measures of Dispersion
 - o Skewness, Kurtosis and Correlation