TASK SHEET

Basic Matplotlib Questions

Line Plot of Cumulative Sales Over Time:

Plot a line chart showing the cumulative sales over time.

Bar Plot of Number of Orders by Month:

Create a bar chart to show the number of orders for each month.

Pie Chart of Quantity Ordered by Product:

Create a pie chart to show the proportion of the total quantity ordered for each product.

Scatter Plot of Sales by Order Date:

Plot a scatter plot to show sales amounts against order dates.

Stacked Bar Plot of Sales by Month and City:

Create a stacked bar plot to show total sales for each month, stacked by city.

Horizontal Bar Plot of Total Sales by City:

Plot a horizontal bar chart showing total sales for each city.

Area Plot of Sales Over Time:

Create an area plot to visualize sales trends over time.

* ~~Line Plot of Average Sales by Hour:~~

Plot a line chart showing the average sales amount for each hour of the day.

* ~~Bubble Plot of Price vs Quantity (Size by Sales):~~

Create a bubble plot where each point's size represents the total sales amount, showing the relationship between price and quantity ordered.

* Multi-line Plot of Sales by Product Over Months:

Create a multi-line plot to show the sales trend of each product over the months.

Basic Seaborn Questions

* ~~Line Plot of Average Sales by Month:~~

Use a line plot to show the average sales amount for each month.

* ~~Count Plot of Orders by Product:~~

Create a count plot to display the number of orders for each product.

* ~~Heatmap of Sales by City and Month:~~

Create a heatmap to visualize sales data across cities and months.

* ~~Bar Plot of Total Quantity Ordered by City:~~

Use a bar plot to show the total quantity ordered from each city.

* ~~Violin Plot of Sales by Product:~~

Draw a violin plot to display the distribution of sales amounts for each product.

* ~~Facet Grid of Quantity Ordered by Hour and Product:~~

Use a Facet Grid to plot quantity ordered by hour, separated by product.

* ~~Line Plot of Total Sales by City Over Time:~~

Create a line plot to show total sales for each city over time.

* ~~Strip Plot of Quantity Ordered by Month:~~

Use a strip plot to display individual quantity ordered across different months.

* ~~Boxen Plot of Sales by Hour:~~

Create a boxen plot to visualize the distribution of sales amounts for each hour of the day.

* ~~Swarm Plot of Quantity Ordered by Product:~~

Use a swarm plot to show the distribution of quantity ordered for each product.