TASK SHEET

Matplotlib Coding Questions

1. Histogram of Sales Amounts:

Plot a histogram to visualize the distribution of sales amounts.

1. Pie Chart of Orders by Hour:

Create a pie chart showing the proportion of orders placed in each hour of the day.

1. Bar Plot of Average Price Each by Product:

Plot a bar chart showing the average price of each product.

1. Scatter Plot of Sales vs Quantity Ordered:

Create a scatter plot to examine the relationship between sales amount and quantity ordered.

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2. Stacked Bar Plot of Sales by Product and City:

Create a stacked bar plot showing total sales for each product, stacked by city.

1. Horizontal Bar Plot of Average Quantity Ordered by City:

Plot a horizontal bar chart showing the average quantity ordered from each city.

1. Area Plot of Quantity Ordered Over Time:

Create an area plot to visualize the trend of quantity ordered over time.

1. Bar Plot of Sales by Day of the Week:

Create a bar chart showing total sales for each day of the week.

1. Multi-line Plot of Quantity Ordered by Product Over Hours:

Create a multi-line plot to show the trend of quantity ordered for each product over the hours of the day.

Seaborn Coding Questions

1. Box Plot of Sales by Hour:

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

1. Point Plot of Quantity Ordered by Month and Product:

Create a point plot to show the trend of quantity ordered over the months, differentiated by product.

1. Count Plot of Orders by Day of the Week:

Use a count plot to show the number of orders for each day of the week.

1. Heatmap of Sales by Product and Hour:

Create a heatmap to visualize sales data across products and hours.

1. Bar Plot of Average Sales by City:

Use a bar plot to show the average sales amount for each city.

1. Violin Plot of Quantity Ordered by Product:

Draw a violin plot to display the distribution of quantities ordered for each product.

1. Facet Grid of Sales by Month and Product:

Use a Facet Grid to plot sales data by month, separated by product.

1. Pair Plot of Quantity Ordered and Sales by Product:

Create a pair plot to explore the relationship between quantity ordered and sales for each product.

1. Box Plot of Sales by Month:

Create a box plot to visualize the distribution of sales amounts for each month.

1. Swarm Plot of Sales by City:

Use a swarm plot to show the distribution of sales amounts for each city.