Task Sheet

Basic Matplotlib Questions

1. Bar Plot of Quantity Ordered by Product:

Plot a bar chart showing the total quantity ordered for each product.

1. Line Plot of Sales Over Time:

Create a line plot to show how sales have varied over the months.

1. Histogram of Order Quantity:

Draw a histogram to visualize the distribution of the quantities ordered.

1. Pie Chart of Sales by City:

Create a pie chart to show the proportion of total sales coming from each city.

1. Scatter Plot of Price vs Quantity:

Plot a scatter plot to examine the relationship between the price of a product and the quantity ordered.

1. Bar Plot of Total Sales by Month:

Plot a bar chart to show total sales for each month.

1. Line Plot of Sales Over Hours:

Create a line plot to show how sales change throughout the day (by hour).

1. Horizontal Bar Plot of Sales by Product:

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

1. Stacked Bar Plot of Quantity Ordered by Product and Month:

Create a stacked bar plot showing the quantity ordered for each product, stacked by month.

1. Bar Plot of Number of Orders by Hour:

Plot a bar chart showing the number of orders placed in each hour of the day.

Basic Seaborn Questions

1. Count Plot of Orders by City:

Use a count plot to show the number of orders coming from each city.

1. Box Plot of Sales by Month:

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

1. Heatmap of Quantity Ordered by Product and Month:

Create a heatmap to show the quantity ordered for each product across different months.

1. Bar Plot of Average Sales per Product:

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

1. Violin Plot of Sales by City:

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

1. Facet Grid of Sales by Hour and City:

Use a Facet Grid to plot sales data by hour, separated by city.

1. Pair Plot of Sales Data:

Create a pair plot to explore relationships between different numerical variables in the dataset.

1. Point Plot of Sales by Month and City:

Create a point plot to show sales trends over the months, differentiated by city.

1. Box Plot of Quantity Ordered by Product:

Create a box plot to show the distribution of quantities ordered for each product.

1. Strip Plot of Sales by Hour:

Use a strip plot to display individual sales amounts across different hours of the day.