

DATA VISUALIZATION: ASSIGNMENT

Use Sales.csv to perform following task. Use the necessary libraries.

1. Plot a histogram to analyze the distribution of total_profit across all months.
2. Create a box plot to show the distribution of monthly sales (total_units) for each product, highlighting outliers.
3. Generate a bar chart showing the monthly sales figures of all products (facecream, facewash, toothpaste, bathings soap, shampoo, moisturizer).
4. Generate a stacked bar chart showing the monthly sales figures of all products (facecream, facewash, toothpaste, bathings soap, shampoo, moisturizer).
5. Create a pie chart to depict the proportion of total sales (total_units) contributed by each product category over the entire period.
6. Create a doughnut chart to depict the proportion of total sales (total_units) contributed by each product category over the entire period.
7. Generate a grouped bar chart to compare the monthly sales of facecream, facewash, and toothpaste for each month.
8. Create a bubble chart to represent monthly total_units where bubble size indicate total_profit.
9. Create a Gantt chart to visualize a hypothetical timeline for sales campaigns of different products based on month_number.