PAYTM MALL EPURCHASE DATA ANALYSIS ASSESSMENT QUESTIONS

Note: These assessment questions cater to interns at various skill levels, from beginners to experienced analysts. If you find any questions challenging, feel free to search for solutions or contact us at intern@psyliq.cloud for assistance. Good luck with the assessment!

1. What does the "Category_Grouped" column represent, and how many unique categories are there?
2. List the top 5 shipping cities in terms of the number of orders.
3. Show me a table with all the data for products that belong to the "Electronics" category.
4. Filter the data to show only rows with a "Sale_Flag" of 'Yes'.
5. Sort the data by "Item_Price" in descending order. What is the most expensive item?
6. Apply conditional formatting to highlight all products with a "Special_Price_effective" value below $50 in red.
7. Create a pivot table to find the total sales value for each category.
8. Create a bar chart to visualize the total sales for each category.
9. Calculate the average "Quantity" sold for products in the "Clothing" category, grouped by "Product_Gender."
10. Find the top 5 products with the highest "Value_CM1" and "Value_CM2" ratios. Create a chart to visualize this data.
11. Identify the top 3 "Class" categories with the highest total sales. Create a stacked bar chart to represent this data.
12. Find the total sales for each "Brand" and display the top 3 brands in terms of sales.
13. Calculate the total revenue generated from "Electronics" category products with a "Sale_Flag" of 'Yes'.
14. Identify the top 5 shipping cities based on the average order value (total sales amount divided by the number of orders) and display their average order values.
15. Determine the total number of orders and the total sales amount for each "Product_Gender" within the "Clothing" category.
16. Calculate the percentage contribution of each "Category" to the overall total sales.
17. Identify the "Category" with the highest average "Item_Price" and its corresponding average price.
18. Find the month with the highest total sales revenue.

19. Calculate the total sales for each "Segment" and the average quantity sold per order for each segment.