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.com for assistance. Good luck with the assessment!

1. What does the "Category_Grouped" column represent, and how many unique categories are there?

2. Can you 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. Create a pie chart to show the distribution of products in the "Family" category.

10. Ensure that the "Payment_Method" column only contains valid payment methods (e.g., Visa, MasterCard).

11. Calculate the average "Quantity" sold for products in the "Clothing" category, grouped by "Product_Gender."

12. Find the top 5 products with the highest "Value_CM1" and "Value_CM2" ratios. Create a chart to visualize this data.

13. Identify the top 3 "Class" categories with the highest total sales. Create a stacked bar chart to represent this data.

14. Use VLOOKUP or INDEX-MATCH to retrieve the "Color" of a product with a specific "Item_NM."

15. Calculate the total "coupon_money_effective" and "Coupon_Percentage" for products in the "Electronics" category.

16. Perform a time series analysis to identify the month with the highest total sales.

17. Calculate the total sales for each "Segment" and create a scatter plot to visualize the relationship between "Item_Price" and "Quantity" in this data.

18. Use the AVERAGEIFS function to find the average "Item_Price" for products that have a "Sale_Flag" of 'Yes.'

19. Identify products with a "Paid_pr" higher than the average in their respective "Family" and "Brand" groups.

20. Create a pivot table to show the total sales for each "Color" within the "Clothing" category and use conditional formatting to highlight the highest sales.