Assignment Title:

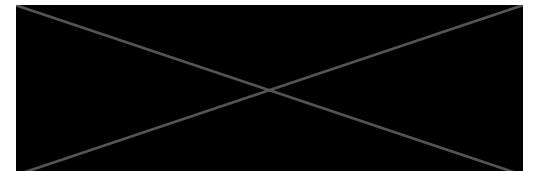Analysing Espresso Store Sales Data

Problem Statement:

The Espresso Store dataset contains detailed information about orders, customers, and product details. The objective is to analyse this dataset to gain valuable business insights, optimise sales strategies, and improve customer satisfaction. You are required to use Excel's advanced features to perform data analysis and derive actionable insights.
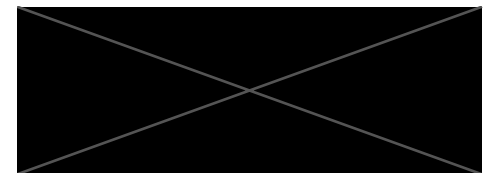
Dataset: X Espresso Store Data.xlsx   X what if data.xlsx

Analyses to be done:

1. Format the 'amount' column to display values as currency up to 2 decimal places and apply date formatting to the 'date' column to show dates in 'dd m, yy' format
2. Arrange orders sorted by 'ship city' in Z to A order, and by 'amount' in descending order. Display orders with an amount greater than 500 and status 'Returned'
3. Retrieve the 'ship state' for a given customer id=442660

4. Label orders as "most demanded" that were placed on Myntra channel and have amount greater than 800 and rest orders as "least demanded"

5. Count the number of orders from men in the '30-40' age group and extract the middle part of each order id

6. Replace all occurrences of kurta category to kurta sets and top category to tops

7. Calculate the order dates three months after the given dates

8. Create a One-Way Data Table to show how different interest rates from different banks affect the loan amount of individuals? (Use What if Dataset)

9. Use Goal Seek to find out how much change in administration expenses would be required to get the goal profit of 400000? (Use What if Dataset)

10. Create a Pivot Table to summarise total sales (amount) by month. And generate a Pivot table and chart to compare the number of orders across different age groups.

Submission Guidelines:

1) All 10 solutions should be done in separate sheets in a single workbook and rename each sheet for each solution.

2) Create a zip folder and upload.

3) Failure to comply with submission guidelines will result in no grading/0 marks.

How to ZIP a folder:

● Put all of the documents/sheets you want to compress (or just one) into a new folder.

● Right click on that folder.

● Select the "Compress to ZIP file" option and then click "Compressed (Zipped) folder."

● A new .ZIP file will be created that contains your document(s).