**Amazon\_sales\_dataset**

**Dataset link-** [**amazon dataset**](https://drive.google.com/file/d/1IMAceEIsoDCQ-zCVHEqMCIeS7I1mEnHa/view?usp=sharing)

**Basic Data Stats:**

Question: What is the average order amount in the dataset?

Solution: Use the AVERAGE function on the "Amount" column.

**Data Validation:**

Question: Create data validation rules for the "Status" column to allow only specific values (e.g., "Processing" or "Shipped").

Solution: Use Data Validation settings.

**Filter and Sort Data:**

Question: Filter the dataset to display only "Shipped" orders and sort them by date.

Solution: Use the Filter and Sort features.

**Pivot Table for Sales Channel:**

Question: Create a pivot table to summarize total sales by sales channel.

Solution: Use the PivotTable feature with "Sales Channel" in the rows and "Amount" in the values.

**Data Visualization - Fulfillment:**

Question: Create a bar chart to visualize the distribution of shipped and canceled status.

Solution: Use Excel's charting tools.

**Calculate Total Sales:**

Question: Calculate the total sales amount in a specific city (HYDERABAD, MUMBAI, CHENNAI

)

**Pivot Table - Category Analysis:**

Question: Create a pivot table to analyze the quantity of products sold in each category.

Solution: Use the PivotTable feature with "Category" in the rows and "Qty" in the values.

**Advanced Level:**

**Date Analysis:**

Question: Calculate the number of orders that were placed in each month.

Solution: Extract the month from the "Date" column and use COUNTIF.

**Advanced IF Statement:**

Question: Categorize orders based on their total sales amount (e.g., "High Value" or "Low Value").

Solution: Use nested IF functions.

**Data Validation - Size:**

Question: Create a dropdown list for selecting product sizes.

Solution: Use Data Validation with a list.

**Variance Analysis:**

Question: Calculate the variance of the order amount

Solution: Create a new column for variance and calculate it as "Amount" - [average order amount].

**Data Consolidation:Ranking Categories:**

Question: Rank product categories by the total quantity sold in descending order.

Solution: Use the RANK function.

**\*\***Question: Consolidate data from multiple worksheets into a summary worksheet.

Solution: Use data consolidation or Power Query.

**Dynamic Charts - Time Series:**

Question: Create a dynamic line chart to visualize the trend of order amounts over time.

Solution: Use dynamic named ranges for chart data.

**Advanced Charting - Combination Chart:**

Question: Create a combination chart (line and bar) to visualize the relationship between order quantity and order amount.

Solution: Customize chart types and series.

**Regression Analysis:**

Question: Perform regression analysis to understand the relationship between order quantity and order amount.

Solution: Use the regression analysis tool in Data Analysis.