Units in Stock

transform data add column

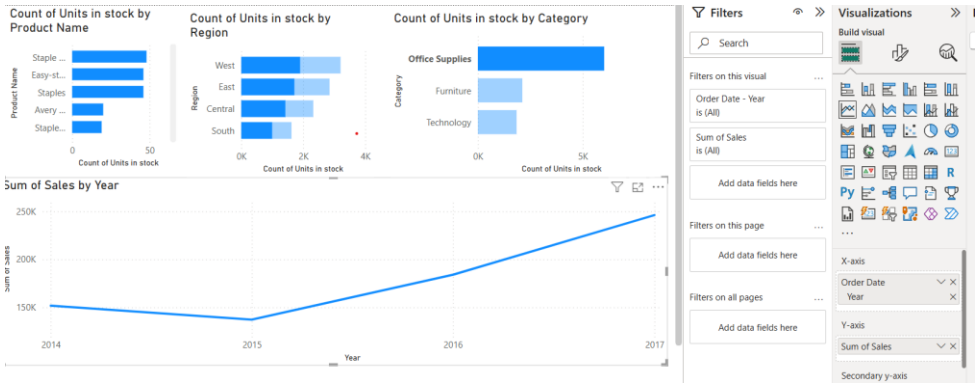
column name

formula

Number.Round(Number.RandomBetween(50, 500))-> add random values in unit in stock

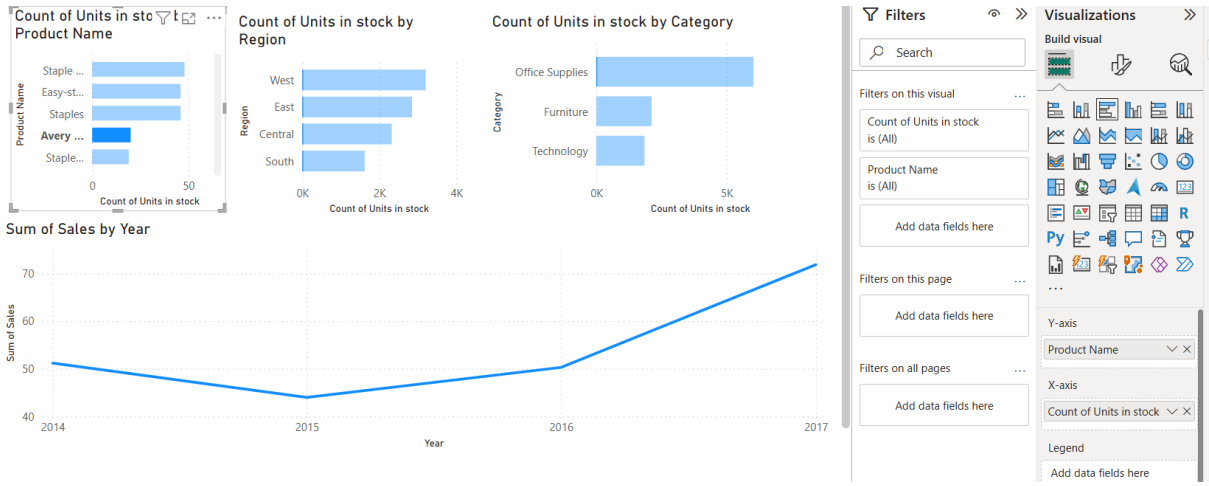
visuals

line chart for Total Sales by Year -> line chart

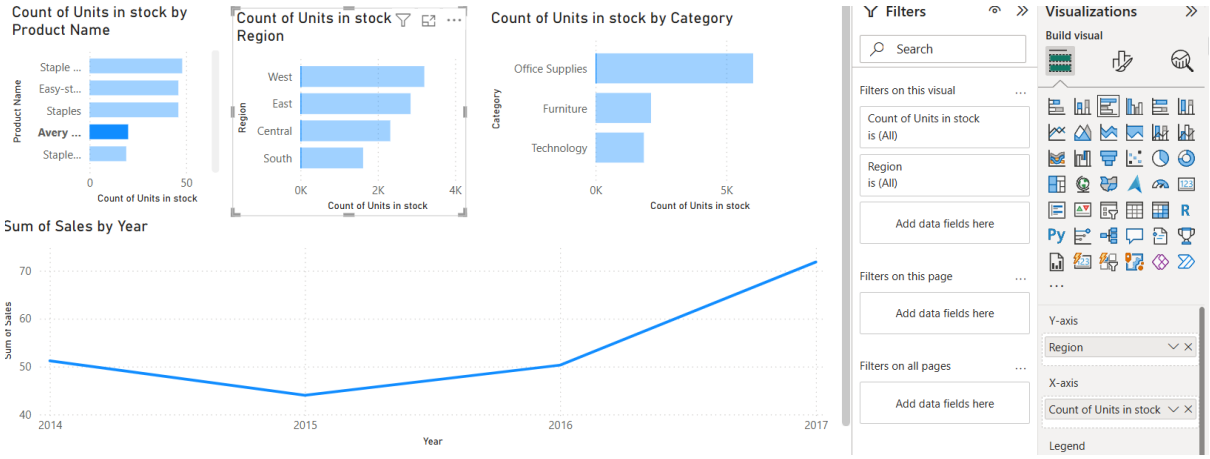


clustered bar chart

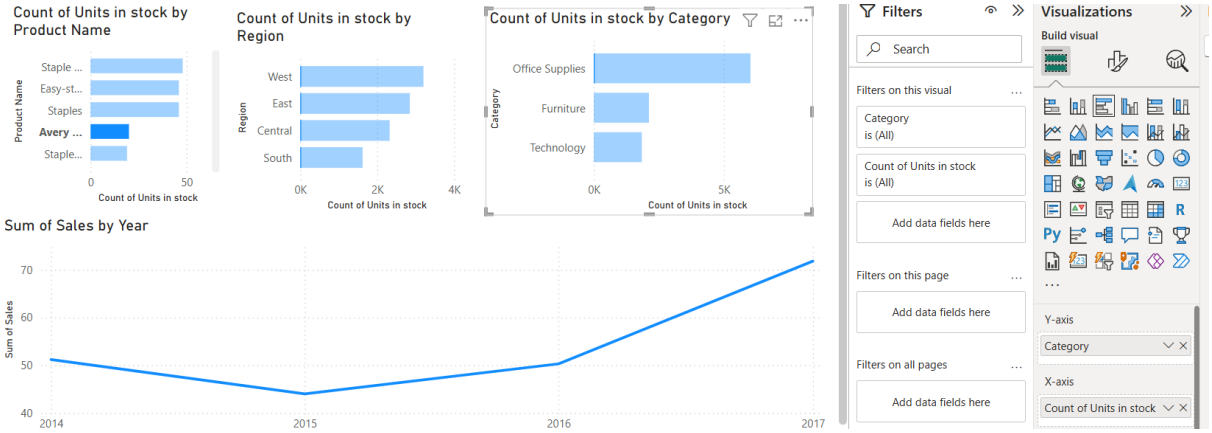
product



Region



Category



Matrix, table, pie for

region->

Matrix-(change region to product name in the ->rows)

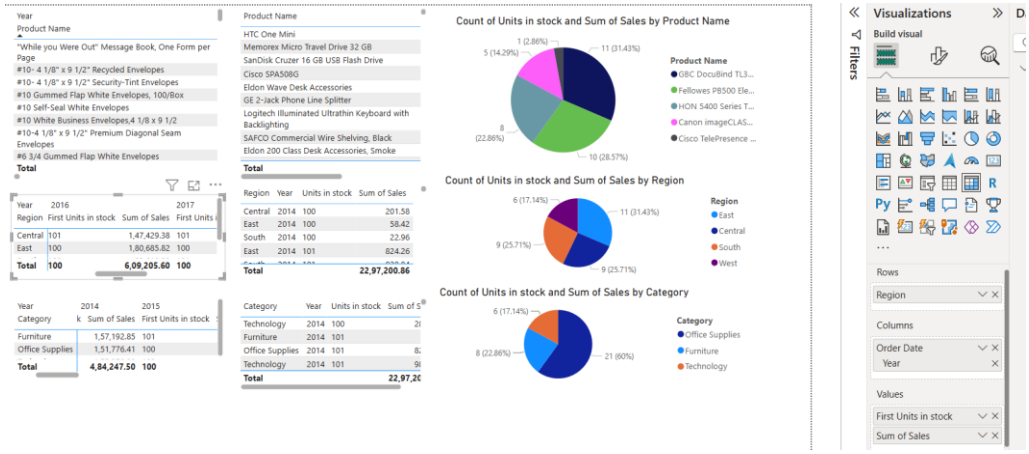
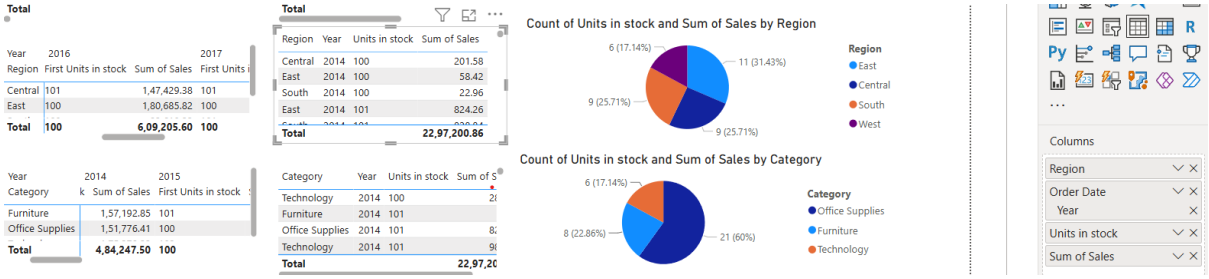
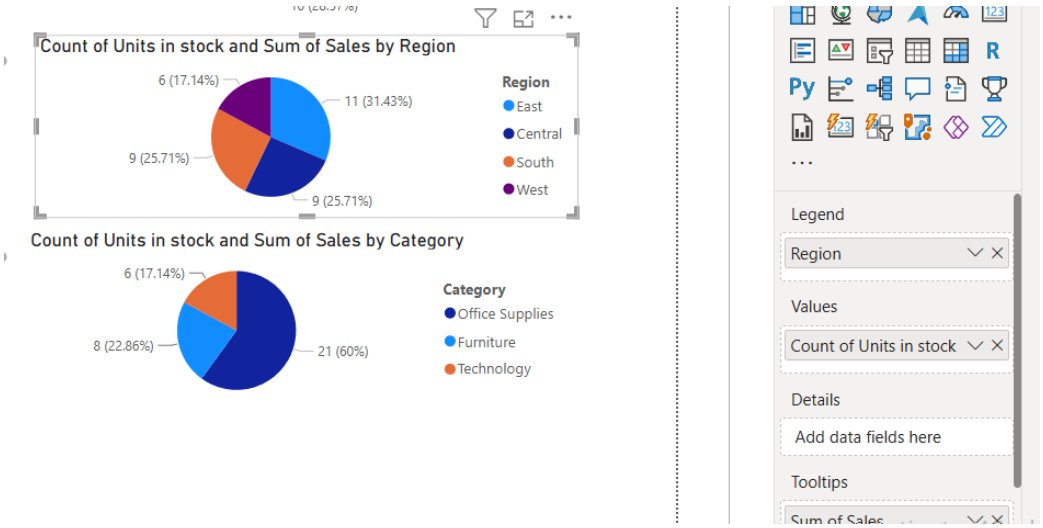


Table->



Change values in column -> region

Pie



Change values for legend-> region

ETL for dataset

Step 1: Extract the Data

1. Open **Power BI Desktop**.
2. Click on **Home > Get Data > Excel** (or any other data source where the Sample Super Store data is stored).
3. Select the **Superstore dataset** and click **Load**.

Step 2: Transform the Data (Power Query Editor)

1. Remove Unnecessary Columns (Keep Only "Profit")

1. Go to **Home > Transform Data** to open Power Query Editor.
2. In the **Orders** table, remove all unnecessary columns except:
   - `Profit`
   - Any other necessary column for future steps (e.g., `Order ID` for combining later).

2. Calculate Line Total (`UnitPrice * Quantity`)

1. Ensure `UnitPrice` and `Quantity` exist in the dataset.
2. Create a new **Custom Column**:
   - Click **Add Column > Custom Column**.
   - Enter the formula:

```
PowerQuery
CopyEdit
LineTotal = [UnitPrice] * [Quantity]
```

   - Click **OK**.

3. Rename and Reorder Columns

1. Rename columns for better clarity:
   - `Profit` → `Total Profit`
   - `LineTotal` → `Total Line Price`
2. Reorder columns by dragging them to the desired order.

4. Combine Return and Total Sales Queries

1. Ensure both **Return** and **Total Sales** tables exist.
2. Go to **Home > Append Queries > Append Queries as New**.
3. Select the **Return** table as the first table and **Total Sales** table as the second.
4. Click **OK** to combine them.

Step 3: Load Data into Power BI

1. Click **Close & Apply** to save changes and return to Power BI.
2. The transformed data is now available for visualization.