

Experiment Number: 04

Aim:

Create different Advanced visualization in a report.

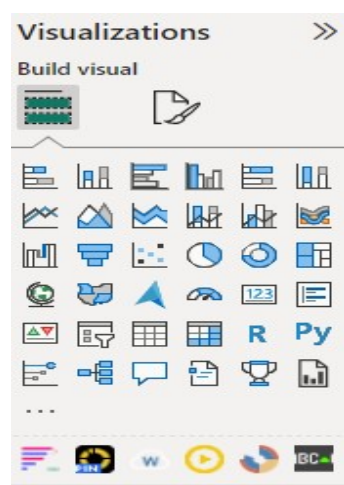
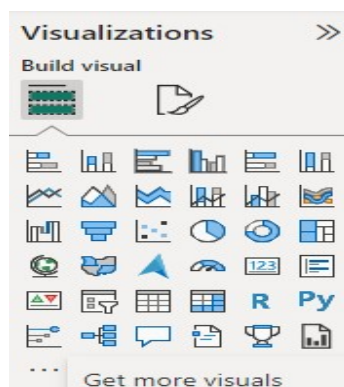
Procedure:

1. Importing the Dataset:

- Launch Power BI Desktop.
- Click on "Get Data" in the Home tab of the ribbon.
- Select the appropriate data source option "Excel" and follow the prompts to import your sample dataset into Power BI.

2. Importing Advance Visuals:

- To install them, first log in to the application
- Visualization > get more visuals > search for visuals > Click on ADD
- Add all mentioned visuals to the application i.e., Animated Bar Chart, Drill Down Donut Pro, Play Axis, WordCloud, SunBurst, Scroller

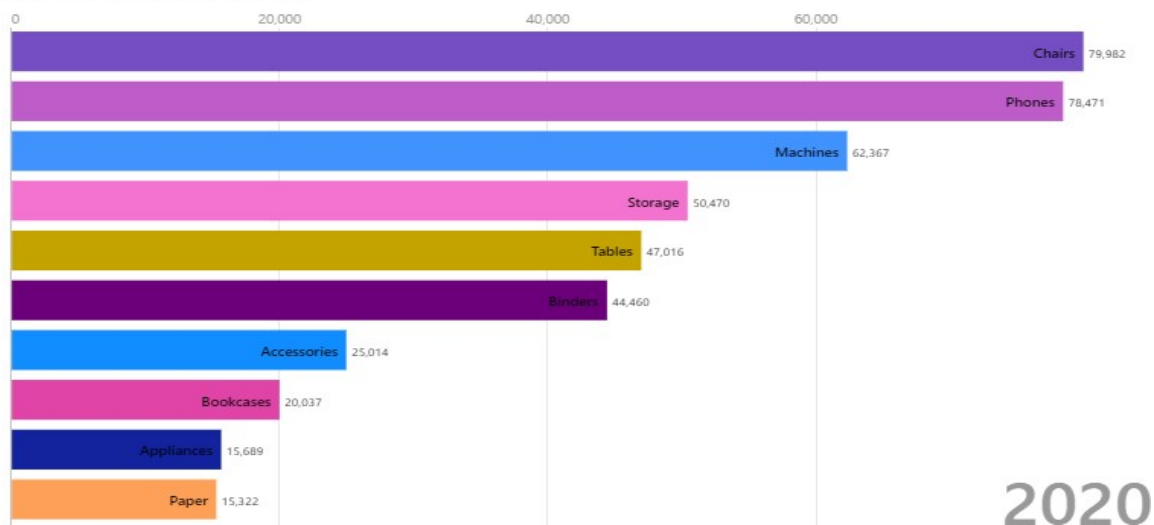


3. Creating Animated Bar Chart:

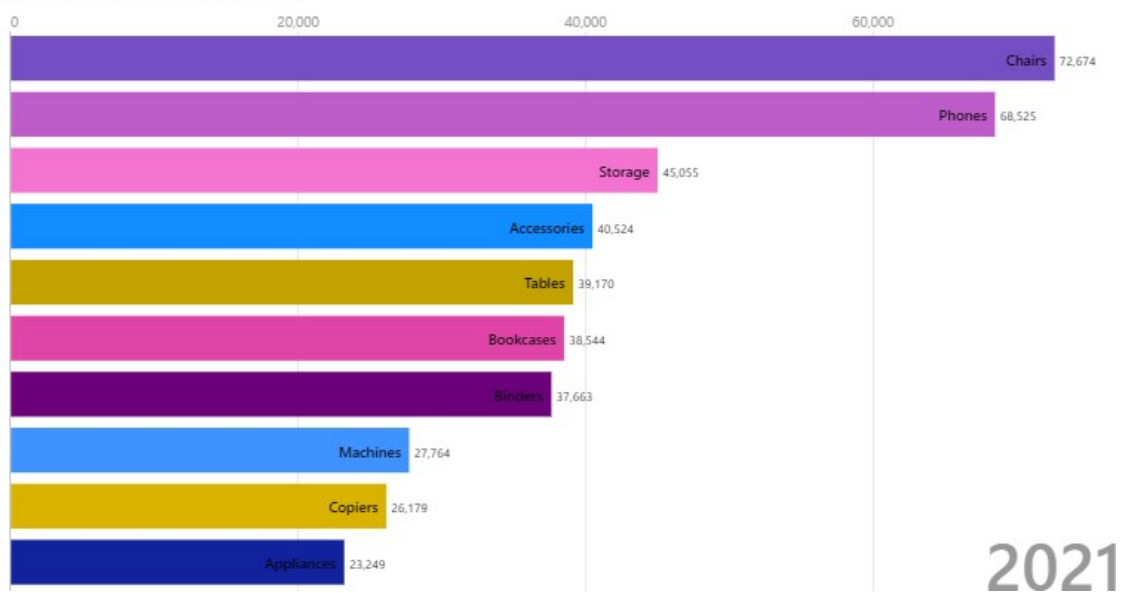
- Visualizations > Build Visual > Animated Bar Chart
- Visualizations > Build Visual > Name = "Sub Category"
- Visualizations > Build Visual > Value = "Sum of Sales"
- Visualizations > Build Visual > Period = "Order Date – Year"

Outputs per Year:

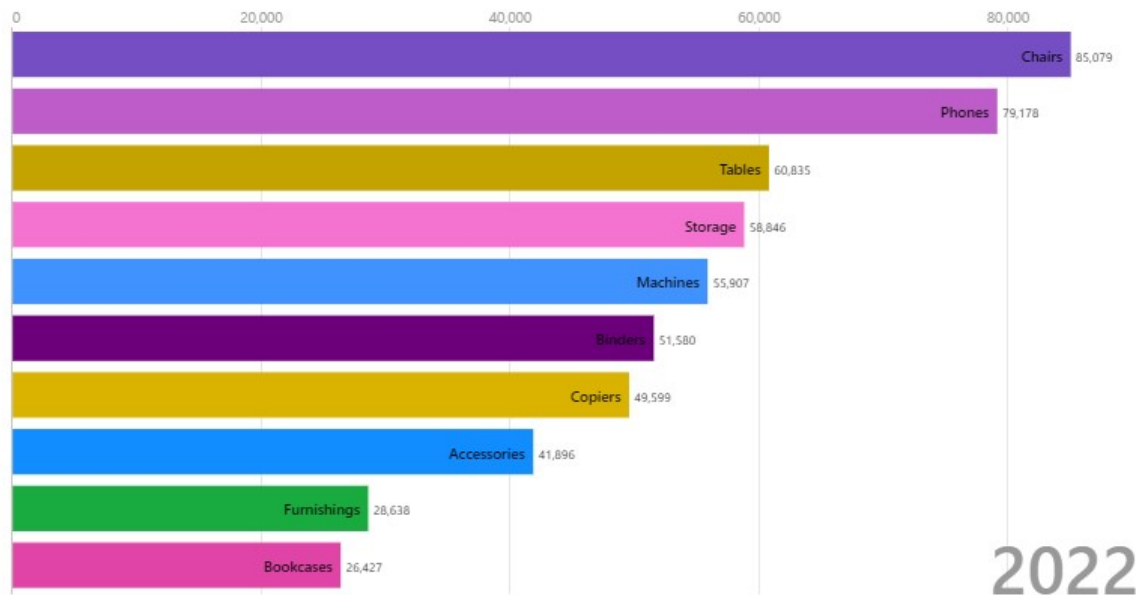
Sum of Sales by Sub-Category and Year



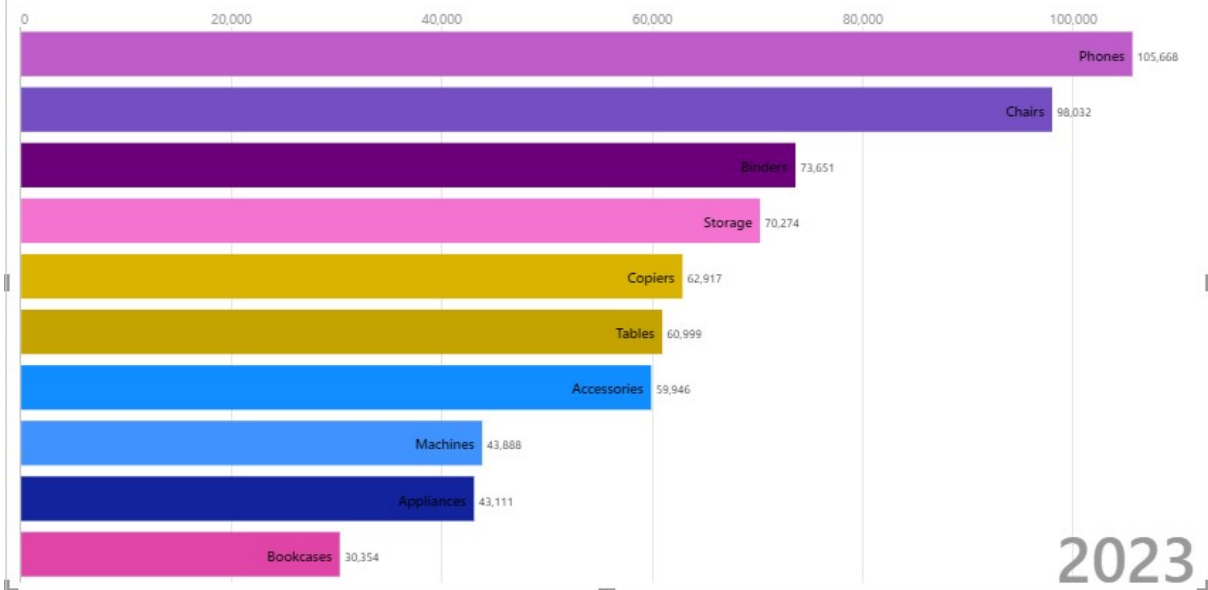
Sum of Sales by Sub-Category and Year



Sum of Sales by Sub-Category and Year



Sum of Sales by Sub-Category and Year

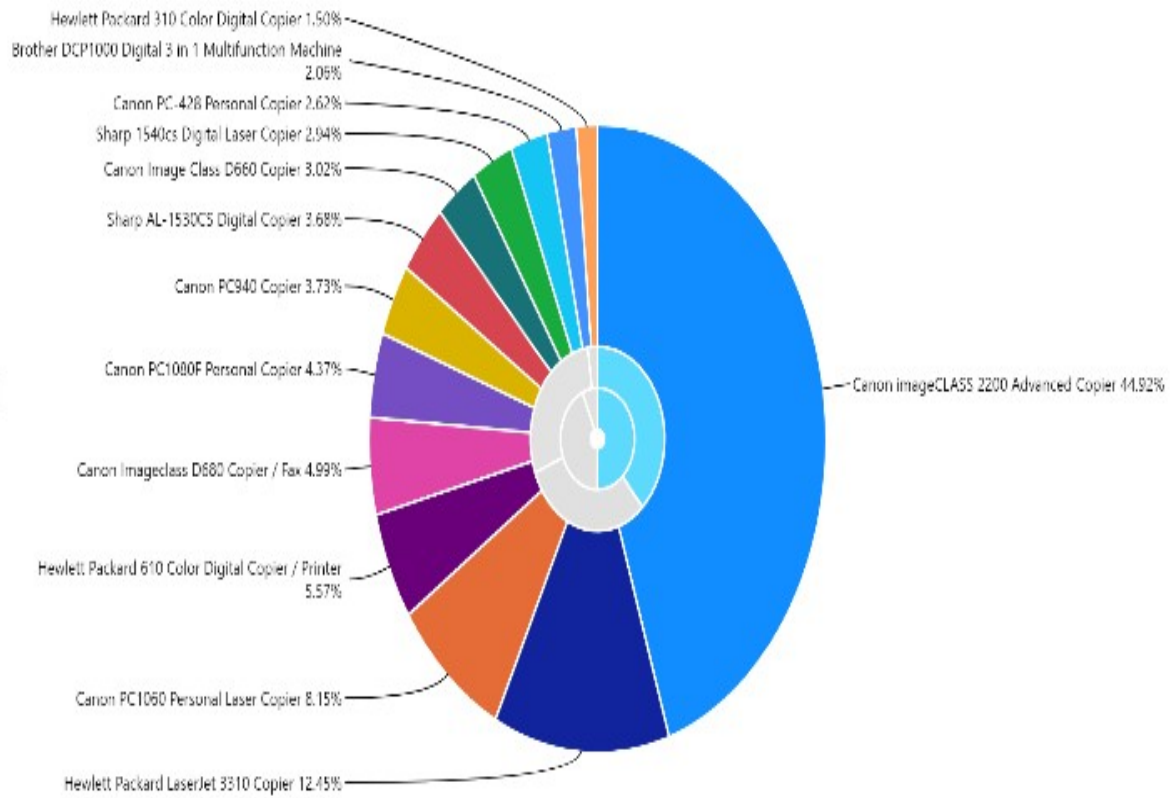


3. Creating Animated Bar Chart:

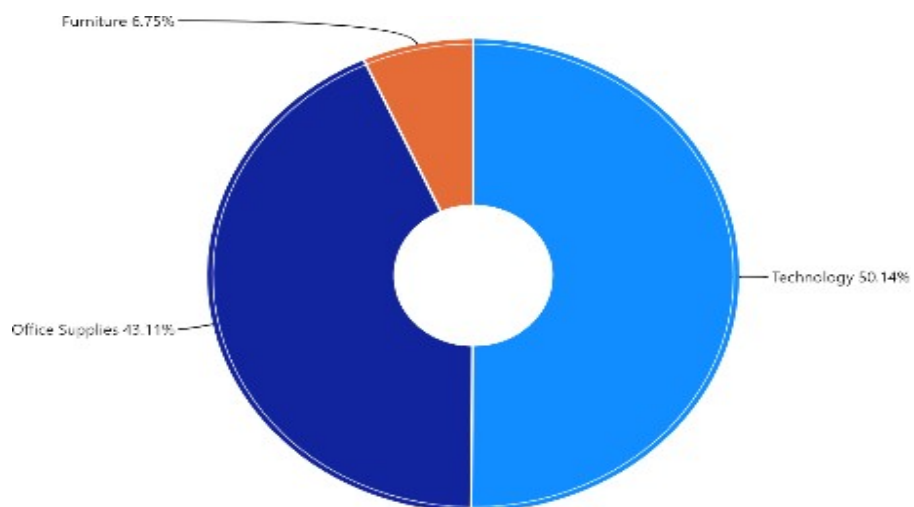
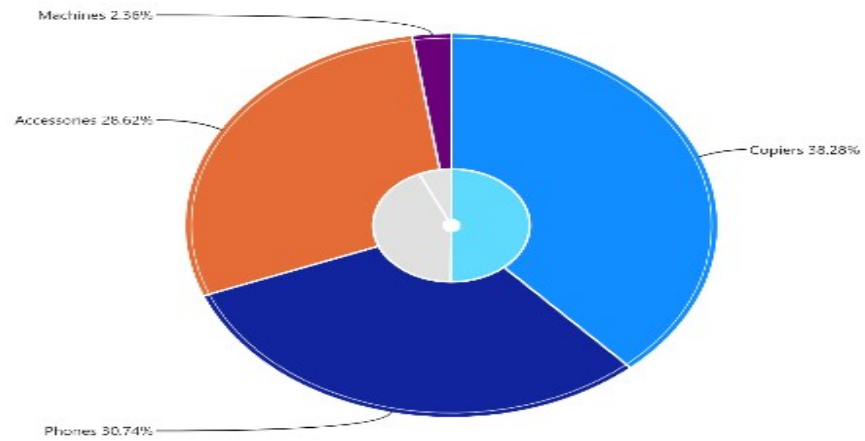
- Visualizations > Build Visual > Drill Down Donut Pro
- Visualizations > Build Visual > Category = “Category Hierarchy”
- Visualizations > Build Visual > Value = “Profit”
- Click on center to reverse to drill up and click on one part side to drill down.

Output:

Sum of Profit by Category, Sub-Category and Product Name



Sum of Profit by Category, Sub-Category and Product Name



4. Creating Word Cloud:

- Visualizations > Build Visual > WordCloud
- Visualizations > Build Visual > Category = “State / Province”
- Visualizations > Build Visual > Value = “Sum of Profits”

- Click on Name of state to view it values.

Output:

Sum of Profit by State/Province



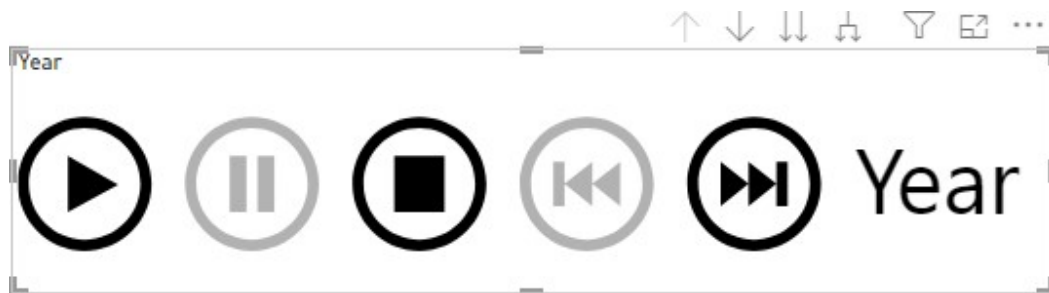
Sum of Profit by State/Province



5. Creating Play Axis:

- Visualizations > Build Visual > Play Axis
- Visualizations > Build Visual > Field= “Order Date”

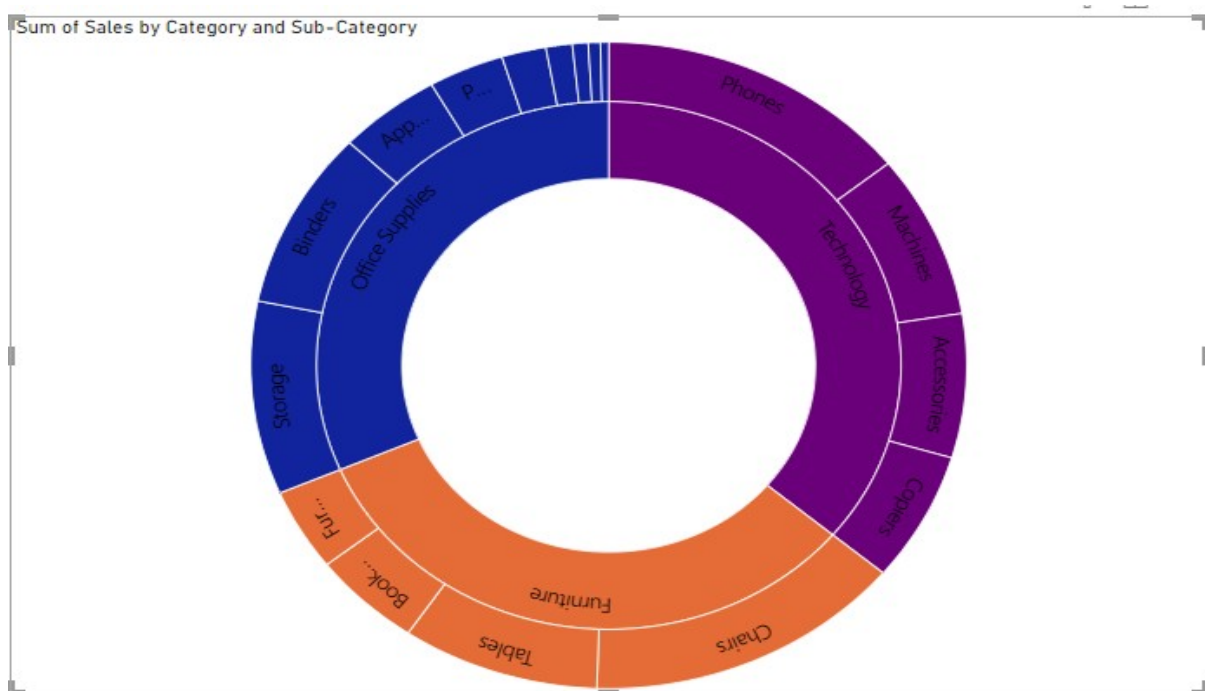
Output:

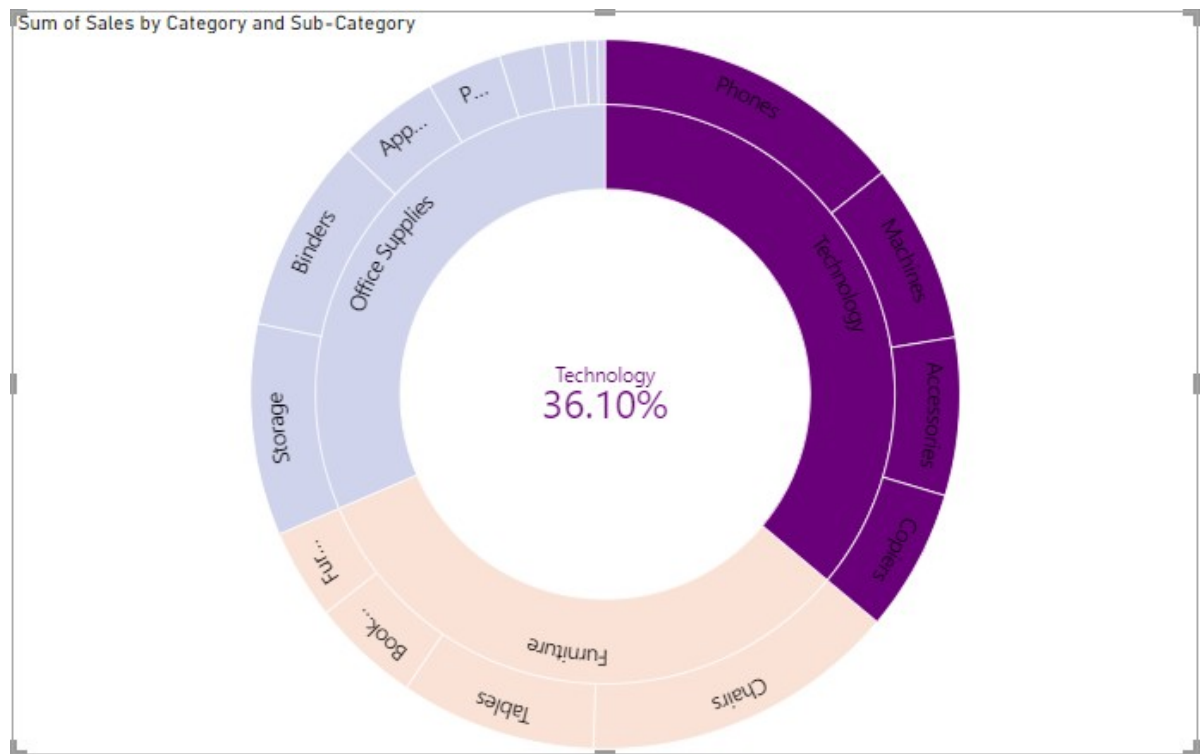


6. Creating Sun Burst:

- Visualizations > Build Visual > Sun Burst
- Visualizations > Build Visual > Groups= “Category, Sub Category”
- Visualizations > Build Visual > Values = “sum of sales”
- Drill down by selecting category name on the chart and drill up by click on it again.

Output:





6. Creating Scroller:

- Visualizations > Build Visual > Scroller
- Visualizations > Build Visual > Category= “City”
- Visualizations > Build Visual > Measure = “sum of sales”
- Visualizations > Build Visual > Category= “City”
- Visualizations > Build Visual > Measure = “Sum of profits”

Output:



7. Final Report output:

