

Assignment – 2

- **Connect to the Store Sales Data and do the following: -**

- Remove all the blank rows

Removed all blank rows using Remove rows option using Transform data in Power query editor.

- Update the column header if they are not updated

Solution:

Updated the column headers to the fourth row of the Order table by removing the top n rows (where n=3) and then making the first row (that was previously the fourth row) as the header in the Power query editor.

| Row ID | Order Priority | Discount | Unit Price | Shipping Cost | Customer ID | Customer Name | Ship Mode | Customer Segment | Product Category | Product Sub-Category | Product |
|--------|----------------|----------|------------|---------------|-------------|------------------------|-------------|------------------|------------------|----------------------|---------|
| 20394 | Low | 0.04 | 6.48 | 5.74 | 119 | Judy Kennedy | Regular Air | Corporate | Office Supplies | Paper | Sma A |
| 18128 | Low | 0.02 | 6.48 | 5.9 | 118 | Judy Kennedy | Regular Air | Corporate | Office Supplies | Paper | Sma |
| 24273 | Not Specified | 0.02 | 6.48 | 9.17 | 194 | Tammy Goldman | Regular Air | Corporate | Office Supplies | Paper | Sma |
| 18904 | High | 0.06 | 6.48 | 6.74 | 247 | Marshall Brandt Briggs | Regular Air | Corporate | Office Supplies | Paper | Sma |
| 19823 | Medium | 0.08 | 6.48 | 7.03 | 266 | Ross Frederick | Regular Air | Corporate | Office Supplies | Paper | Sma |
| 24425 | Low | 0.06 | 6.48 | 7.86 | 300 | Larry W Lehman | Regular Air | Corporate | Office Supplies | Paper | Sma |
| 24864 | Medium | 0.01 | 6.48 | 7.49 | 353 | Chris P Brandt | Regular Air | Corporate | Office Supplies | Paper | Sma |
| 24662 | Low | 0.09 | 6.48 | 7.93 | 500 | Brenda Cowan | Regular Air | Corporate | Office Supplies | Paper | Sma |
| 18593 | High | 0 | 6.48 | 7.86 | 533 | Jamie Dixon | Regular Air | Corporate | Office Supplies | Paper | Sma |
| 20281 | Medium | 0.05 | 6.48 | 6.57 | 537 | Nelson Coley | Regular Air | Corporate | Office Supplies | Paper | Sma |
| 21274 | Medium | 0.06 | 6.48 | 7.37 | 600 | Vickie Morse | Regular Air | Corporate | Office Supplies | Paper | Sma |
| 111 | Not Specified | 0.08 | 6.48 | 5.14 | 607 | Olara Hauser | Regular Air | Corporate | Office Supplies | Paper | Sma |
| 6575 | Medium | 0.1 | 6.48 | 9.17 | 607 | Olara Hauser | Regular Air | Corporate | Office Supplies | Paper | Sma |
| 18113 | Not Specified | 0.09 | 6.48 | 5.14 | 608 | Daniel Jones | Regular Air | Corporate | Office Supplies | Paper | Sma |
| 24575 | Medium | 0.1 | 6.48 | 9.17 | 609 | Shawn Adler | Regular Air | Corporate | Office Supplies | Paper | Sma |
| 23207 | Low | 0.1 | 6.48 | 9.54 | 680 | Laurence Poe | Regular Air | Corporate | Office Supplies | Paper | Sma |
| 23208 | Low | 0.02 | 6.48 | 5.19 | 680 | Laurence Poe | Regular Air | Corporate | Office Supplies | Paper | Sma |
| 22793 | Low | 0 | 6.48 | 8.19 | 719 | Stephen Lam | Regular Air | Corporate | Office Supplies | Paper | Sma |
| 24851 | Low | 0.09 | 6.48 | 6.86 | 797 | Eileen Riddle | Regular Air | Corporate | Office Supplies | Paper | Sma |
| 24763 | Critical | 0.06 | 6.48 | 6.88 | 868 | Sharon Ellis | Regular Air | Corporate | Office Supplies | Paper | Sma |
| 2055 | Critical | 0.02 | 6.48 | 6.41 | 894 | Gail Rankin Cole | Regular Air | Corporate | Office Supplies | Paper | Sma |
| 7955 | High | 0.09 | 6.48 | 7.03 | 894 | Gail Rankin Cole | Regular Air | Corporate | Office Supplies | Paper | Sma |

- Create a text table and show the sales in terms of

- Customers
- Product Category
- Regions

Solution:

Customer name, Product category and Regions used as the data fields.

| Customer Name | Sales | Region |
|-------------------|-----------|---------|
| Aaron Dillon | 258.28 | Central |
| Adam Barton | 2,594.96 | Central |
| Adam G Sawyer | 3,096.87 | Central |
| Alan Chase | 323.85 | Central |
| Alan Griffith | 505.88 | Central |
| Albert Frost | 9,787.62 | Central |
| Alex Barry | 12.59 | Central |
| Alex Harrell | 267.89 | Central |
| Alexander Joyner | 164.11 | Central |
| Alexander O'Brien | 16,977.50 | Central |
| Alexandra Wise | 2,491.35 | Central |
| Alfred Barber | 20,072.38 | Central |
| Alfred F Dixon | 191.10 | Central |
| Alfred Moran | 1,198.36 | Central |
| Alice Brady | 3,536.77 | Central |
| Alice Coley | 414.49 | Central |
| Alison Jacobson | 906.68 | Central |
| Alison Stewart | 1,600.77 | Central |

- **Create a line and Clustered Column Chart showing the Sales and Discount as per the State or Province**

- *Format the bars and line with different colors*
- *Which state has the highest sales in terms Technology*

Solution:

Line chart is used for Sales as per the state or province which represents the data and characterized by a series of data points connected by a straight line. Each point in the line corresponds to a data value in the given category. It shows the exact value of the plotted data.

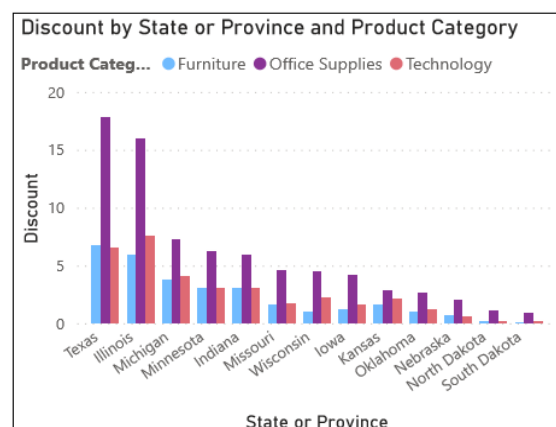
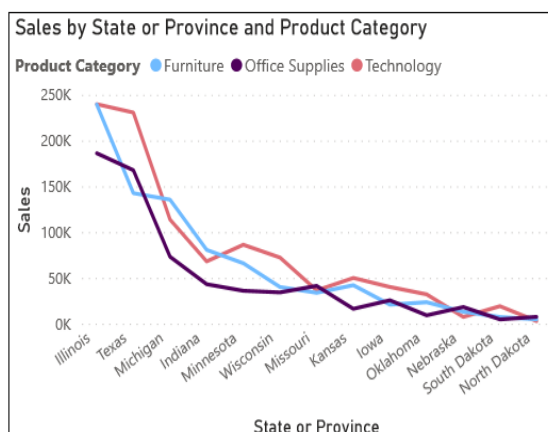
We can see here that **Illinois** State has the highest sales in terms of **Technology**.

Clustered column charts is used for Discount as per the state or province which are similar to bar charts, and the only difference between these two is, column chart divides the same category data into the clusters and compares within the clusters. Also, it compares the data from other clusters.

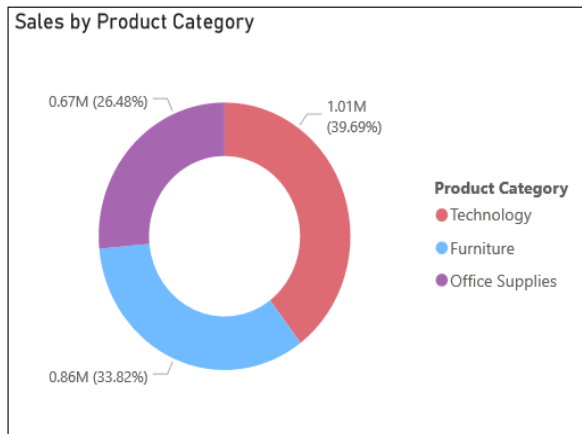
We can see here that **Texas** State has the highest **discount** in terms of **Office Supplies**,

We can see here that **Texas** State has the highest **discount** in terms of **Furniture**,

We can see here that **Illinois** State has the highest **discount** in terms of **Technology**.



- **Create a Donut Chart showing sales in terms of Product category**



Solution:

Donut chart is showing sales in terms of Product category here are similar to pie charts, and it is named as doughnut chart because it looks similar to a doughnut. You can easily understand the data because doughnut charts show the whole data into the proposition. It is the most useful chart when you need to display various propositions that make up the final value.

- **Create a Slicer and show the regions in dropdown. See how all the visuals mentioned above behaving when a particular region is selected.**

Region

Central

Solution:

Slicer shows the Regions in dropdown. All values and charts plotted change as per the region selected i.e., Central, East, South and West. These are visual filters. Using slicers, you can filter or sort your data by clicking on the type of data you want. In the below example, you can see all-region sales. In case if you want to see particular region sales, and then click on that region, and it shows the specific region sales.

Sales by Product category - Donut chart

Sales by State or Province and Product category - Line chart

Sales as per Customers and Region - Text table

Discount by State or Province and Product category - Clustered column chart

- **Text box** added in the report view and used to summarize the charts plotted.