Assignment – 2

- ***Connect to the <u>Store Sales Data</u> 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.

  – *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.

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

    – *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 <mark>Illinois</mark> 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 <mark>Texas</mark> State has the highest **discount** in terms of **Office Supplies**,*
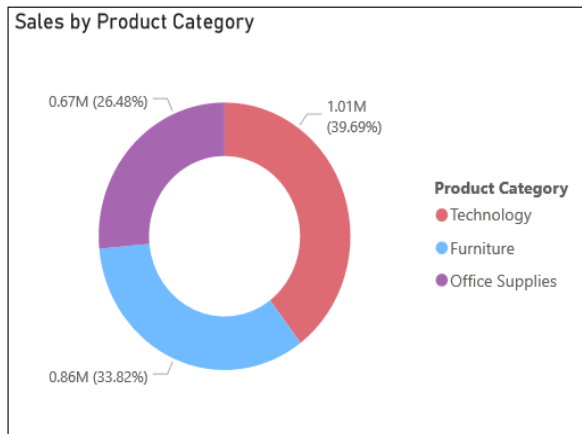   *We can see here that <mark>Texas</mark> State has the highest **discount** in terms of **Furniture**,*
    *We can see here that <mark>Illinois</mark> State has the highest **discount** in terms of **Technology.***
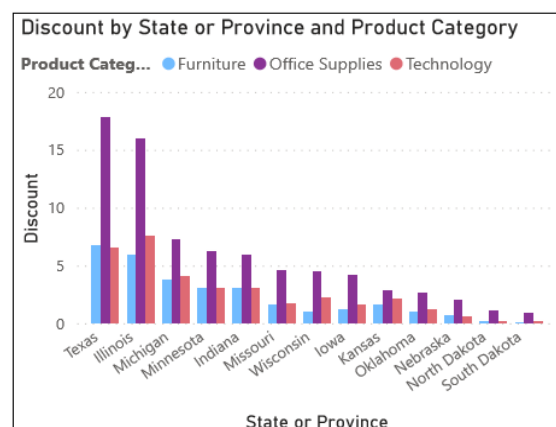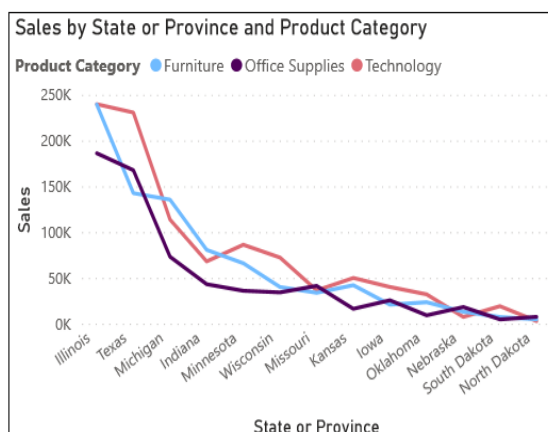
- *Create a Donut Chart **showing sales in terms of Product category***

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.***

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.*