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Aim: To create basic chart using PowerBi on E-commerce Dataset. To write observations of all given charts :- Bar, Pie, Histogram, Time-Line Chart and Scatter Plot and also calculate the Region Wise and Product Wise sales.

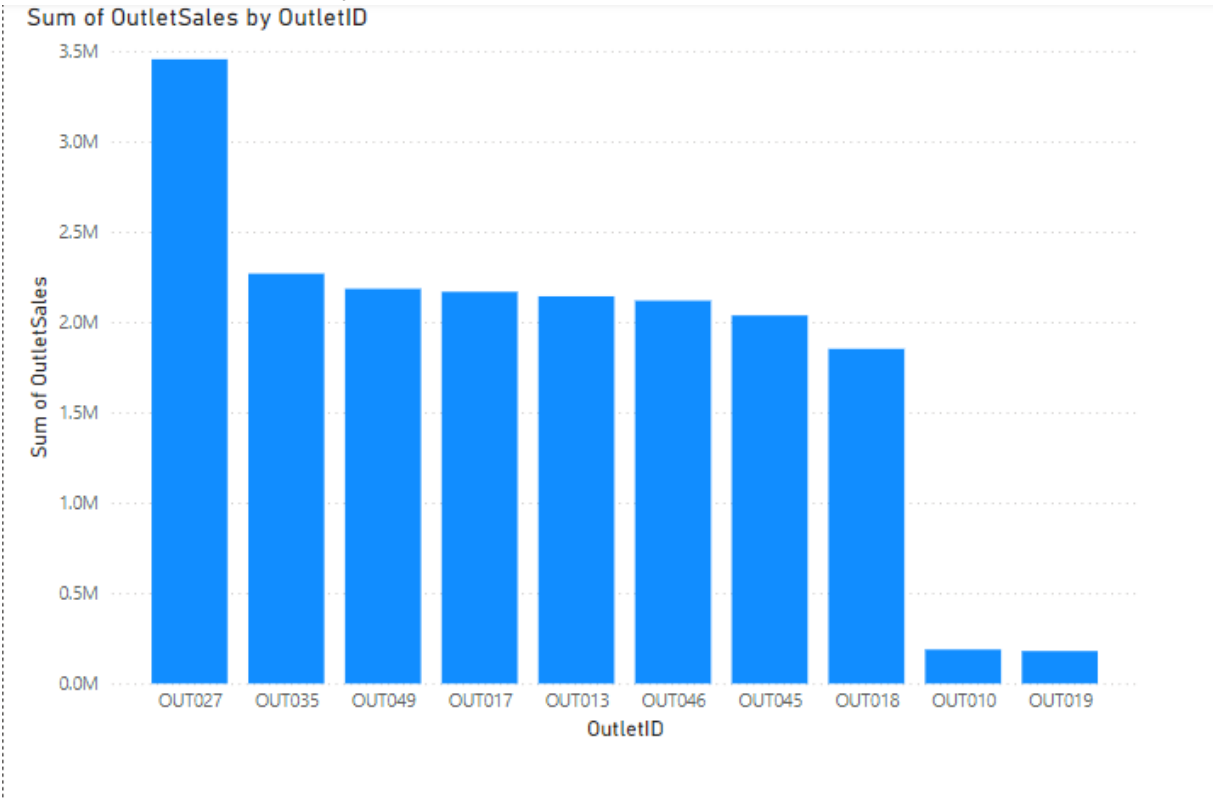
Dataset used:

Big Mart Sales - <https://www.kaggle.com/datasets/akashdeepkuila/big-mart-sales?select=Train-Set.csv>

- **ProductID** : unique product ID
- **Weight** : weight of products
- **FatContent** : specifies whether the product is low on fat or not
- **Visibility** : percentage of total display area of all products in a store allocated to the particular product
- **ProductType** : the category to which the product belongs
- **MRP** : Maximum Retail Price (listed price) of the products
- **OutletID** : unique store ID
- **EstablishmentYear** : year of establishment of the outlets
- **OutletSize** : the size of the store in terms of ground area covered
- **LocationType** : the type of city in which the store is located
- **OutletType** : specifies whether the outlet is just a grocery store or some sort of supermarket
- **OutletSales** : (target variable) sales of the product in the particular store

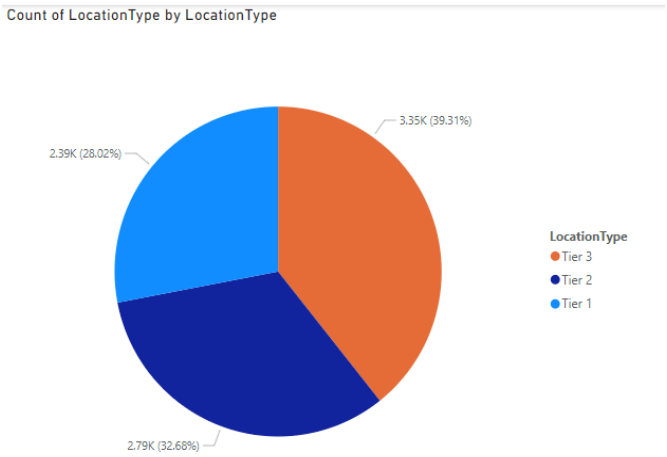
Charts:

1. Bar chart - Sales by Outlet ID



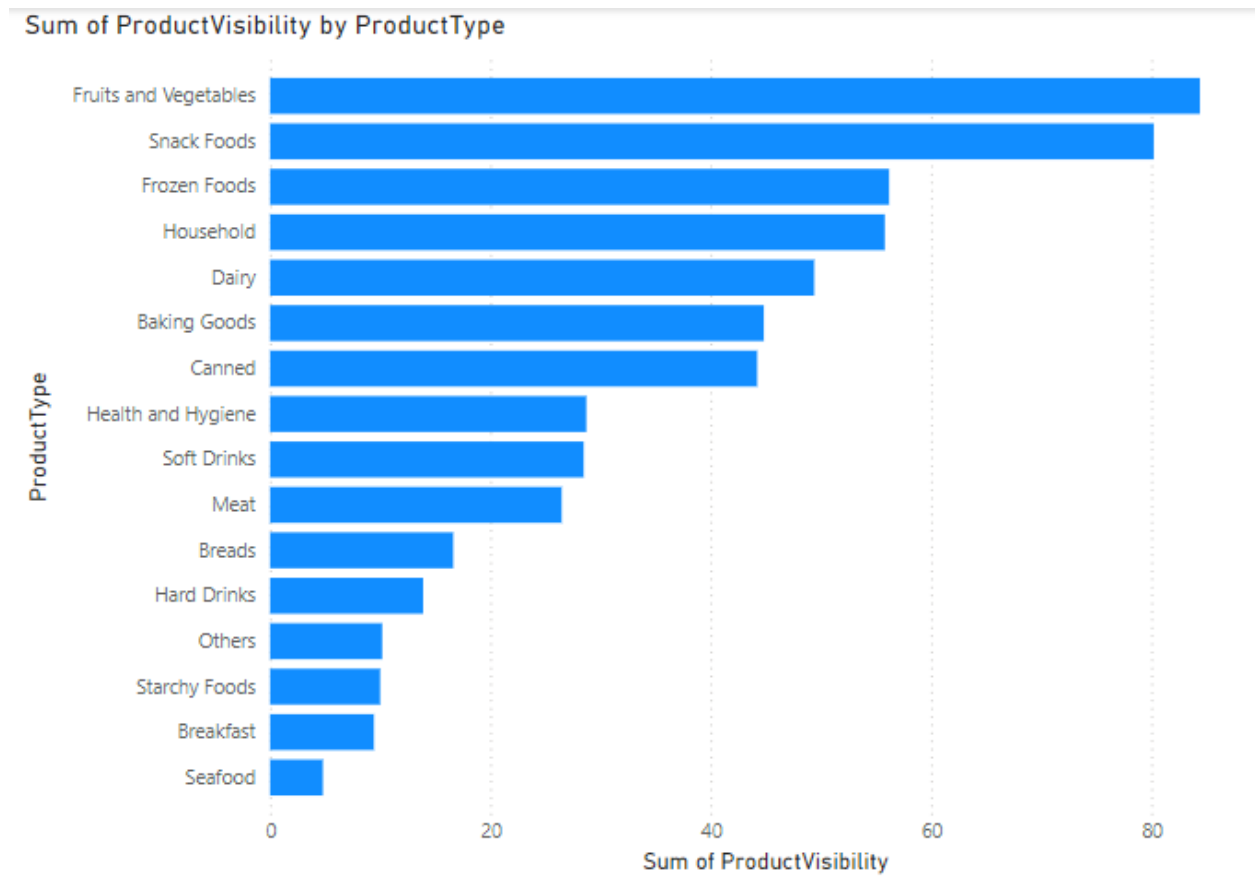
Analysis - OUT027 is the highest-performing outlet, with sales exceeding 3.5 million. OUT010 and OUT019 are the lowest-performing outlets.

2. Pie chart



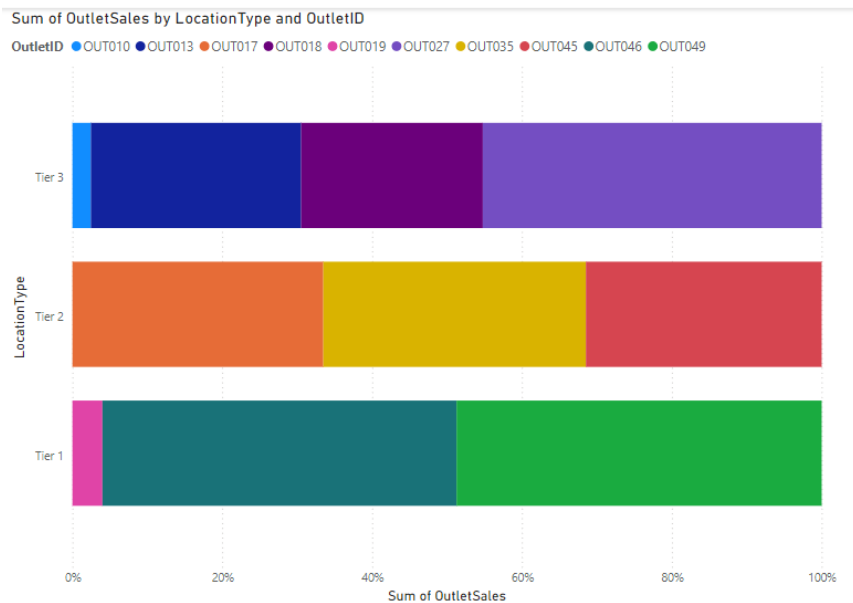
Analysis - Tier 3 locations are the most prevalent, followed by Tier 2 and then Tier 1. This distribution indicates a higher concentration of locations in Tier 3 areas.

3. Bar chart



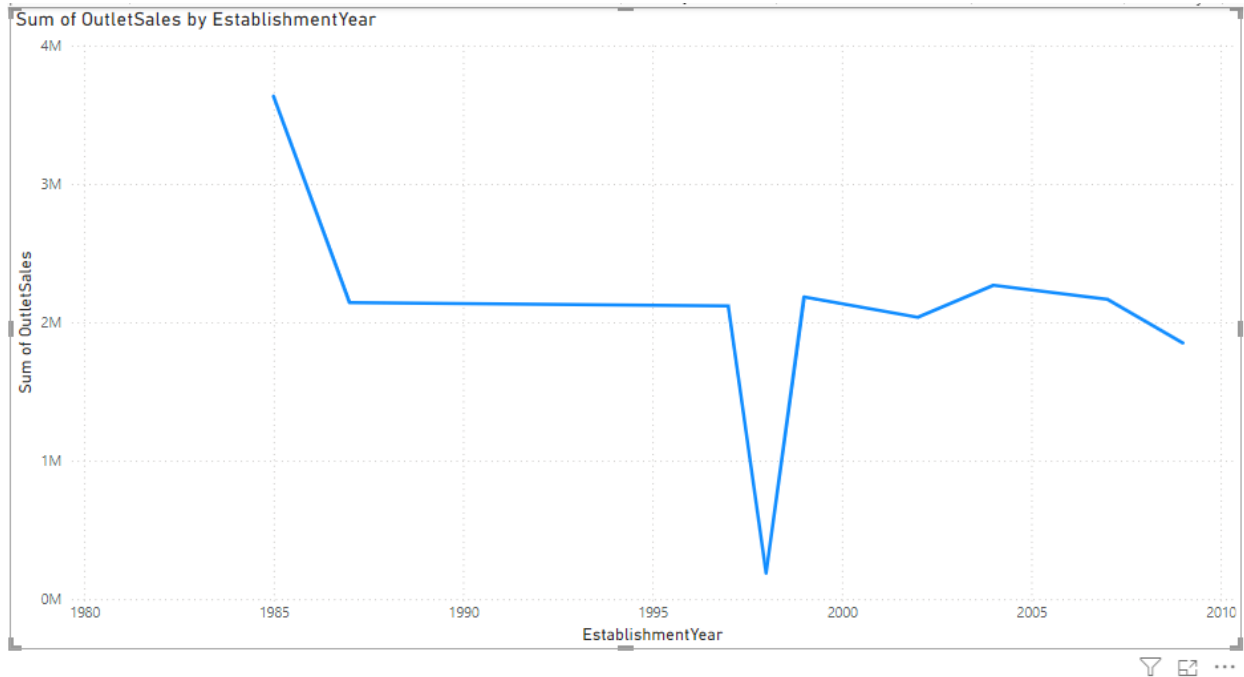
Analysis - In summary, fruits, vegetables, and snack foods dominate in terms of visibility, while seafood and other niche categories have significantly lower visibility.

4. Stacked bar chart



Analysis - In Tier 1, sales are evenly spread among outlets like OUT018, OUT019, and OUT049, while in Tier 2, sales are more concentrated in outlets such as OUT013 and OUT035. Tier 3 shows significant sales from OUT010, OUT027, and OUT046.

5. Line chart



Analysis - The chart shows the sum of OutletSales by EstablishmentYear, with a peak around 1985 followed by a sharp decline. Sales remain stable but lower through the late 1980s and 1990s, with a significant dip around 2000. After 2000, sales recover somewhat but fluctuate and gradually decline as they approach 2010.