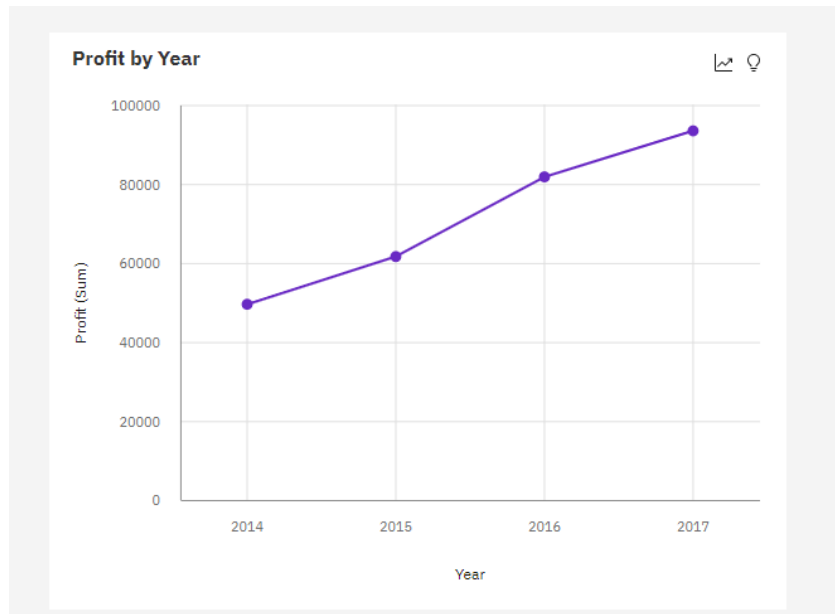# Data Visualization

Team ID : PNT2022TMID12898

Team members :   Sendhinathan E , Gayathri G , Haritha K , Sanjith S

Data set : US Super store dataset (after preparation)

Year wise profit using Line graph :
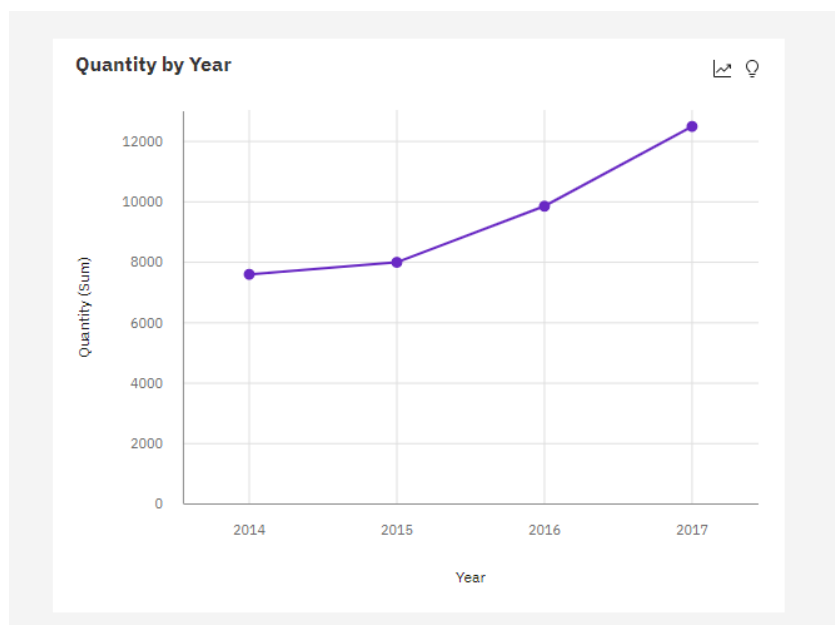
Profit by Year

Details

Across all **years**, the sum of **Profit** is over 286 thousand.

For **Profit**, the most significant values of **Year** are 2017 and 2016, whose respective **Profit** values add up to over 175 thousand, or 61.2 % of the total.

Profit ranges from nearly 50 thousand, in 2014, to over 93 thousand, in 2017.

Year wise Quantity of utilities using Line graph :
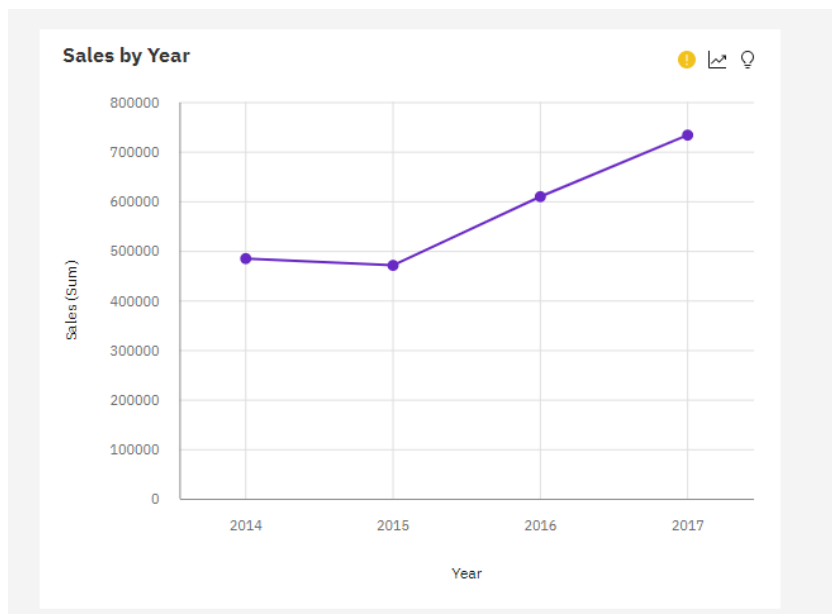
Quantity by Year

Details

Over all **years**, the sum of **Quantity** is almost 38 thousand.

Quantity ranges from over 7500, in 2014, to over twelve thousand, in 2017.

Quantity is unusually high in 2017.

Top 10 sales by Year using Line graph :
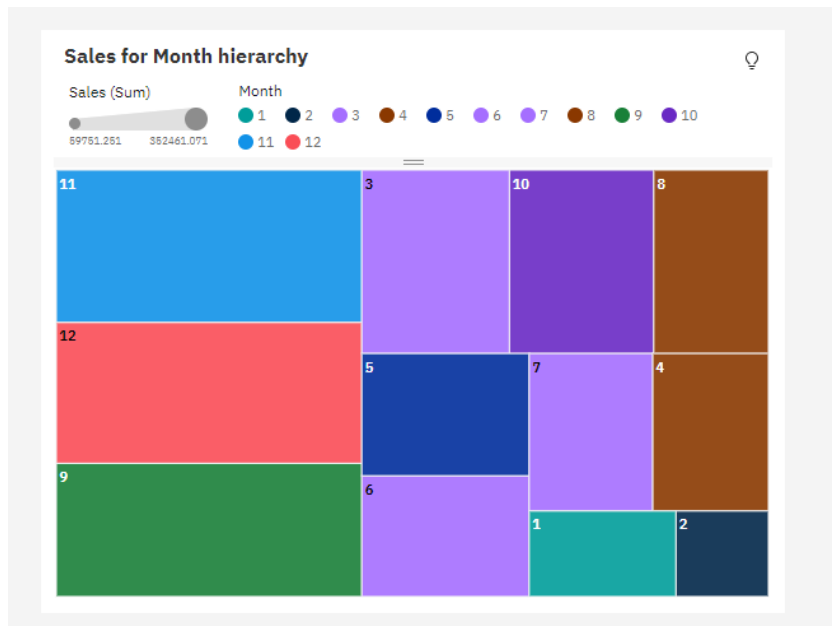

Sales by Year

Details

Over all **years**, the sum of **Sales** is almost 2.3 million.

For **Sales**, the most significant values of **Year** are 2017 and 2016, whose respective **Sales** values add up to over 1.3 million, or 58.4 % of the total.

Sales ranges from almost 471 thousand, in 2015, to over 733 thousand, in 2017.

Sales is unusually high in 2017.

Monthly sales using Tree map:

Sales for Month hierarchy

Sales (Sum) 59751.251 352461.071

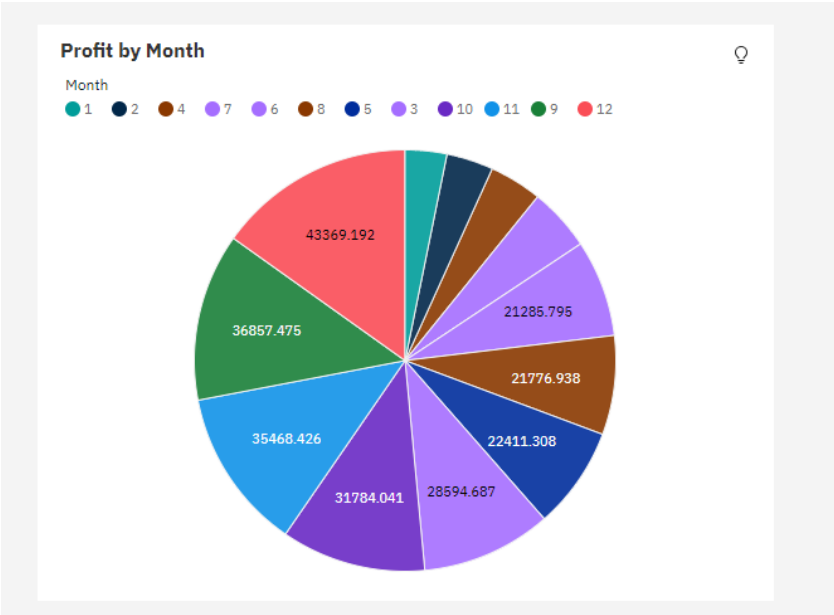Month 1 2 3 4 5 6 7 8 9 10 11 12

Details

Over all **months**, the sum of **Sales** is nearly 2.3 million.

For **Sales**, the most significant values of **Month** are 11, 12, and 9, whose respective **Sales** values add up to over 985 thousand, or 42.9 % of the total.

Sales ranges from almost 60 thousand, in 2, to over 352 thousand, in 11.

Sales is unusually high in 11.

Monthly profit by Pie chart :

Profit by Month

Month
● 1 ● 2 ● 4 ● 7 ● 6 ● 8 ● 5 ● 3 ● 10 ● 11 ● 9 ● 12

43369.192

36857.475

35468.426

31784.041

28694.687

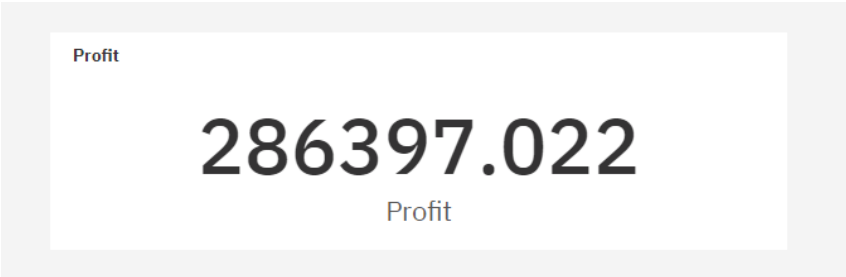22411.308

21776.938

21285.795

Details
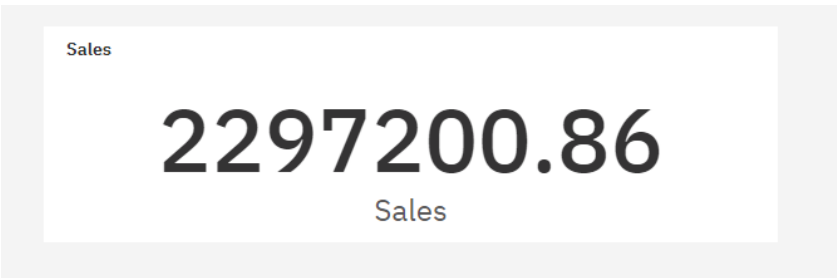
Across all **months**, the sum of **Profit** is over 286 thousand.

Profit ranges from over nine thousand, in 1, to over 43 thousand, in 12.

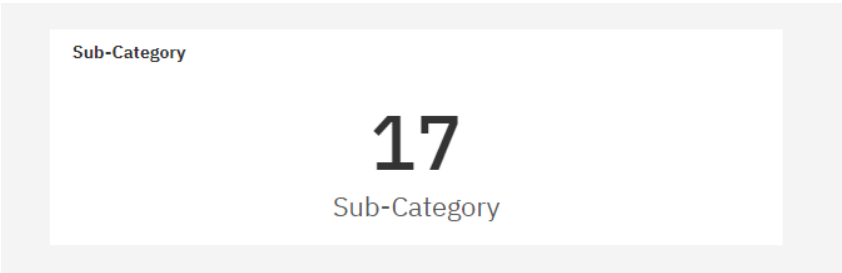## Summary cards of Total profit , Sales , sub categories :

Profit

286397.022

Profit

Details

The total number of results for **Profit** is 9994.

Sales

2297200.86

Sales

Details

The total number of results for **Sales** is 9994.

Sub-Category

17

Sub-Category

Details

The total number of results for **Sub-Category** is 9994.

Dashboard creation :

Chart A
Sales by Year

Chart B
Profit by Year

Chart A — City - Top 10 by Profit
Sales and Profit by City

Chart B
Profit and Sales by State