

Analyzing Amazon SalesData

Deepak Kumar

Introduction

Data Analysis by using Power Bi

Amazon Sales Data refers to sales. High performing seller and several other data points. Amazon sales data analysis focuses on the process of analyzing consumer behaviour, sales and several other attributes in order to make improved, data driven decisions. It is the key to successfully sustaining their business and earning profits and for this purpose, they analyze different matrices like sales, sales quantity, unit cost, discount sales over years etc. By analyzing different matrices, you will be able to increase and improve performance in terms of sales, items to be sold and discount rates etc.

Analyzing of the sales data the main factor that contributes the sellers improving their business and increase their revenue. They can better understand the market trends and customers buying behaviours and help them what the customer really want.

Problem Statement

Sales management has gained importance to meet increasing competition and the need for improve methods of distribution to reduce cost and to increase profits. Sales management today is the most important function in a commercial and business enterprise.

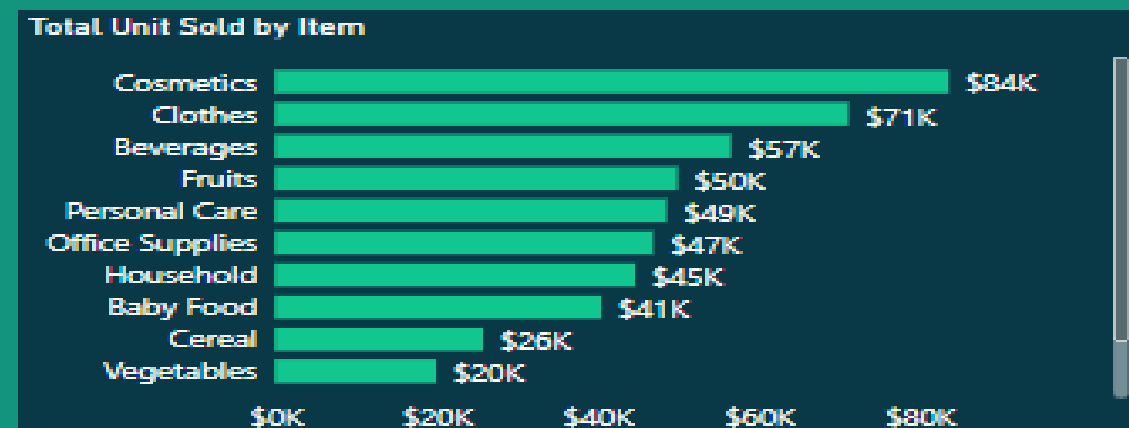
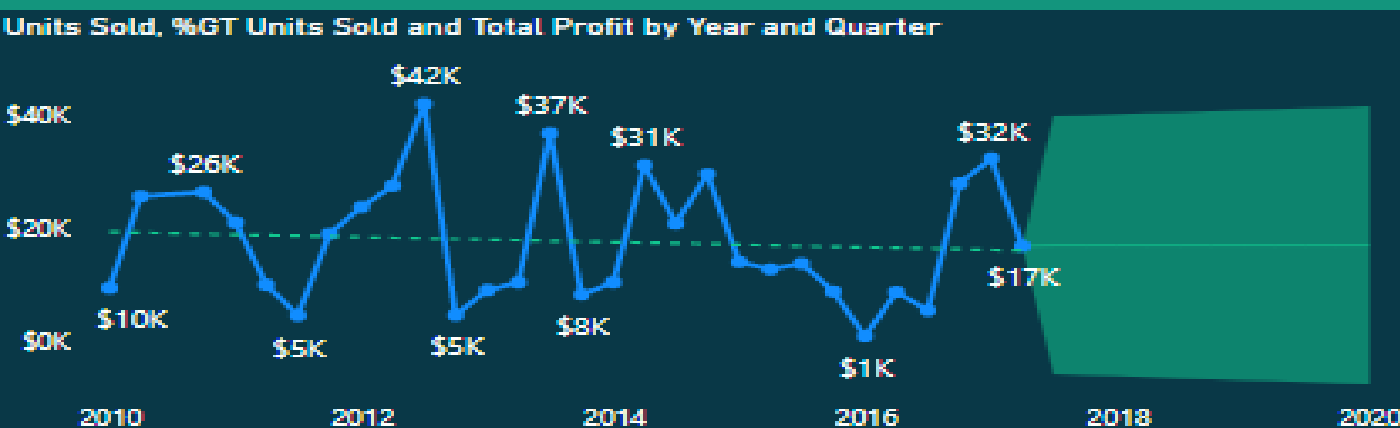
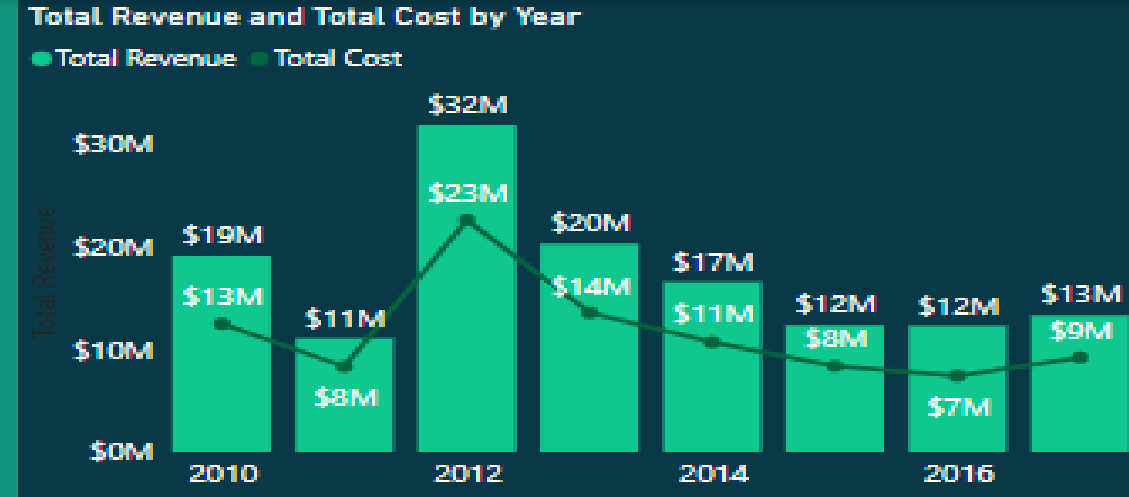
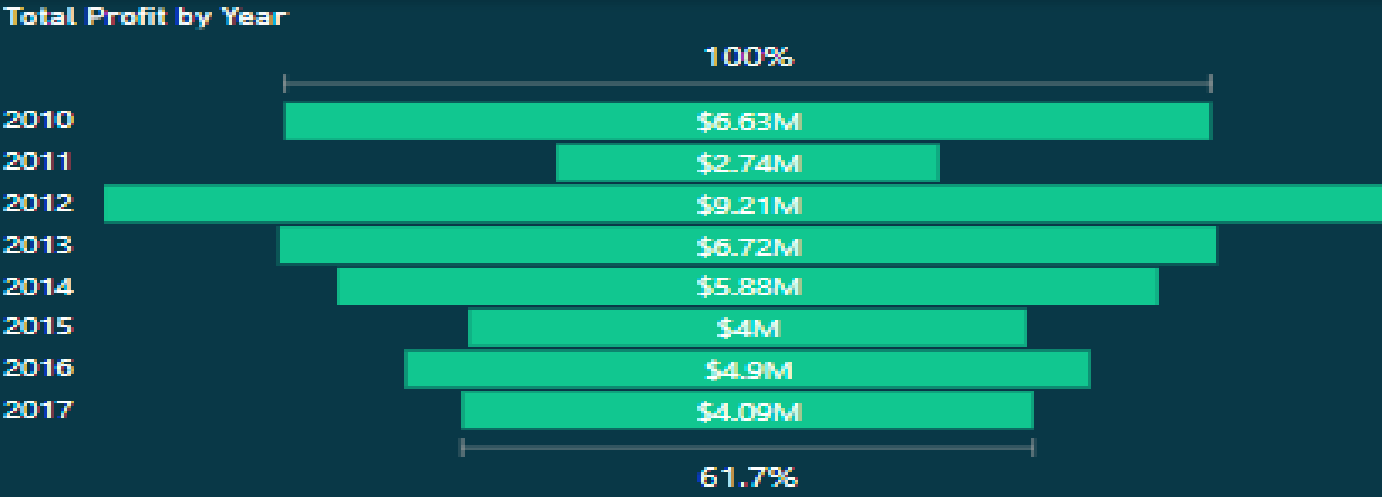
Do ETL : Extract – Transform – Load some Amazon dataset and find Sales – trend - - > Month – wise, Year – wise , Yearly – moth wise.

Find key metrics and factors and show the meaningfull relationship between attributes.

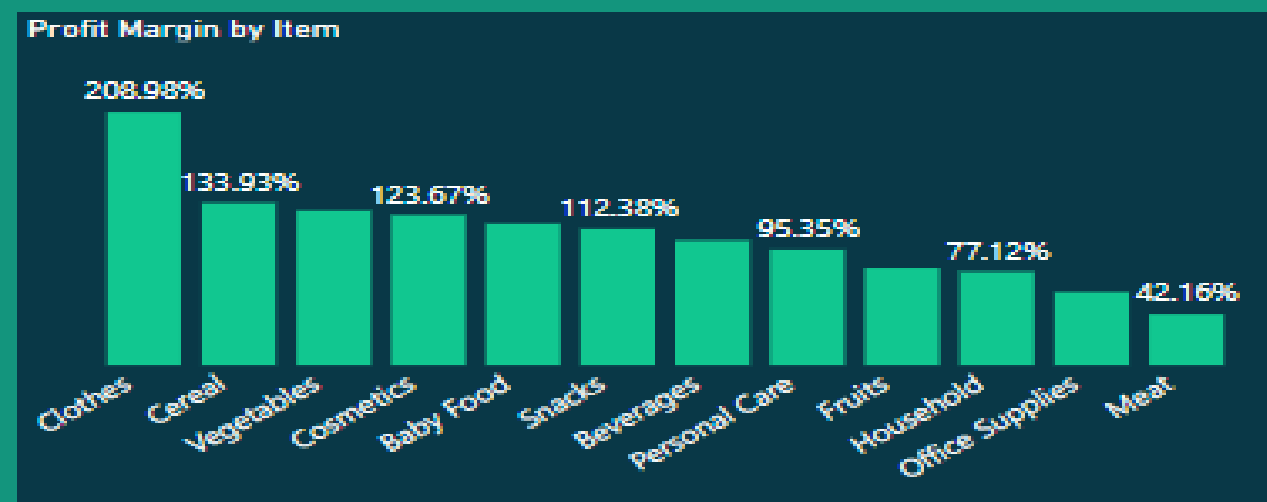
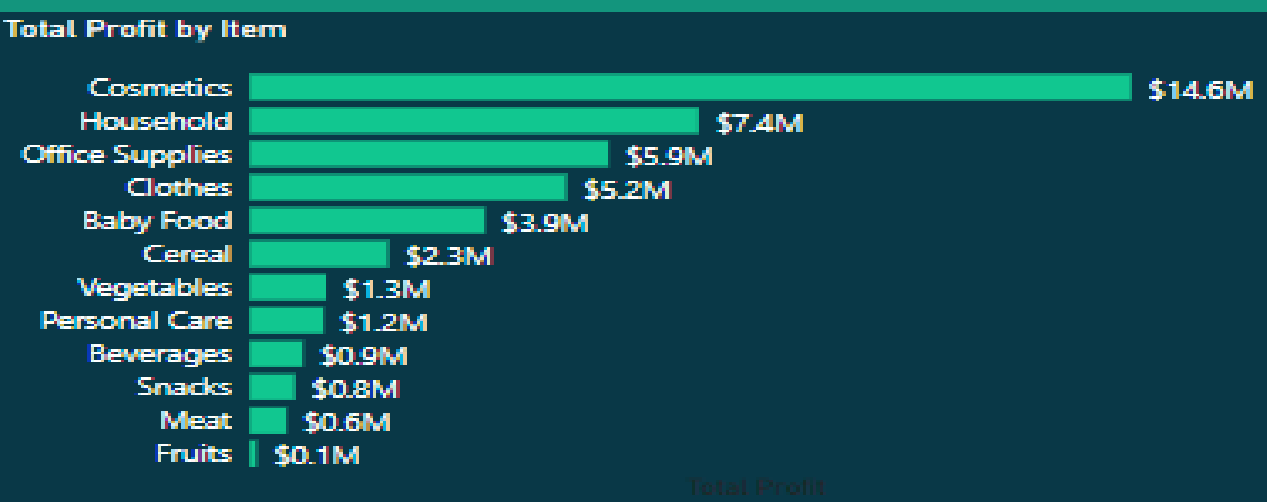
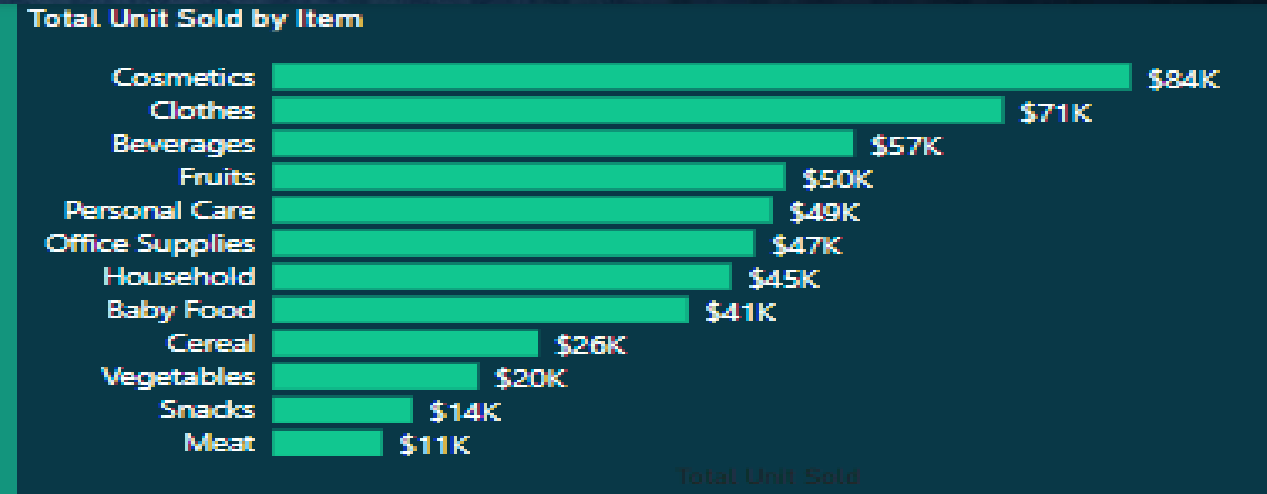
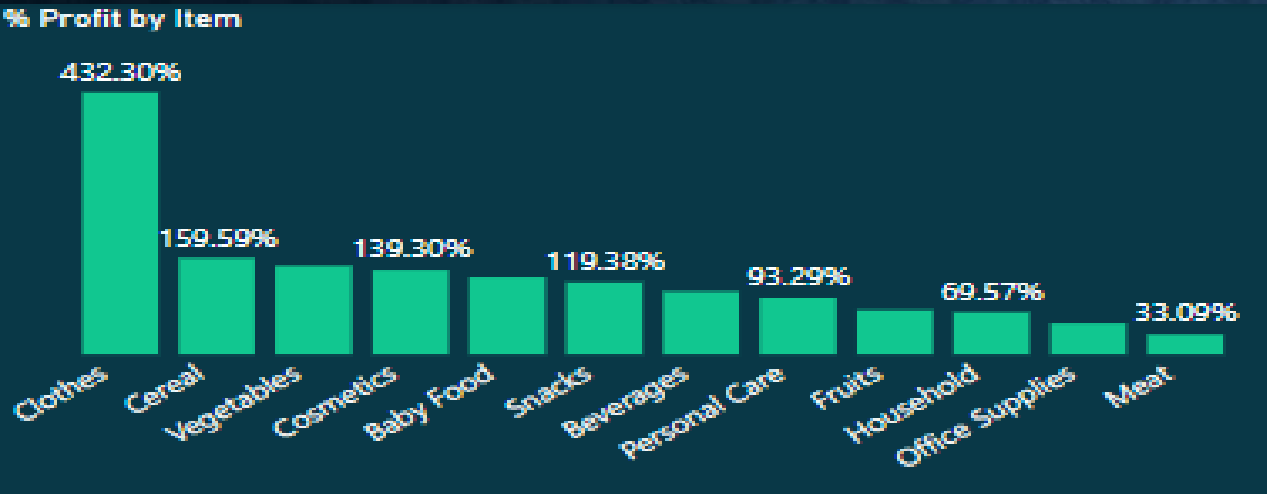
Do your own research and come up with your findings

Dataset Information

This is a Sales related dataset that contains information like Sales, Cost, Sales Price, List Prices, Sales Margins, Sales Unit etc.

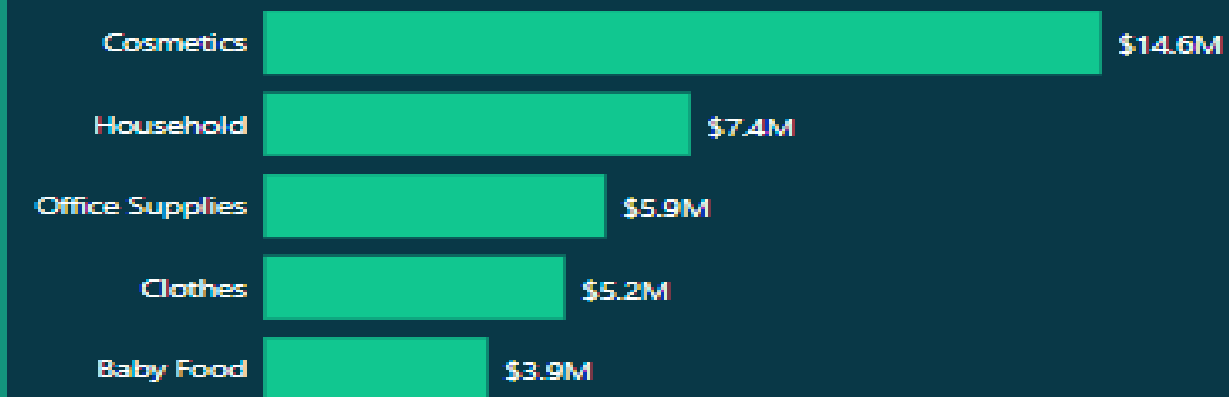


In this visual I'm trying to do the total profit by year and \$9,213,010 , is the highest Profit , and \$6,715,420 is the 2nd highest Profit, here Profit trend down , resulting in a 36.399% decrease between 2013 to 2011. and after this year the profit trend is continuously decreasing. And in total unit sold by item \$83,718, Cosmetics has the highest sales and Meat which had the lowest sales at \$10,765.

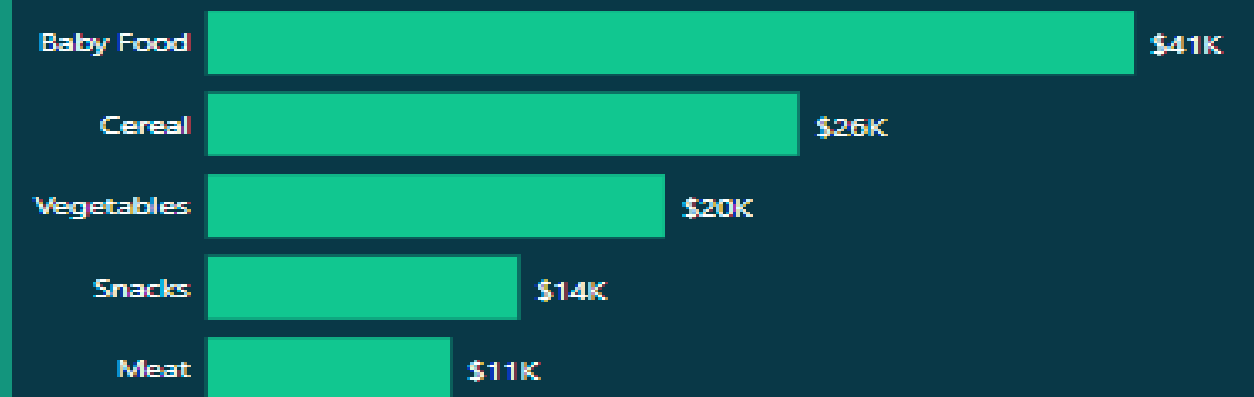


In this Stacked bar chart and clustered column chart visual. We can analyze Sales and Profit by Items. \$83,718 Cosmetics had the highest sales and was 14% higher than clothes, which had the 2nd highest sales at \$71,260. The margin of profit by items 208.98% clothes which had the highest margin and 75% higher than cereal which had the the 2nd highest margin in this list. At \$14,556,048 Cosmetics had the highest profit and \$7,412,605 Household is the 2nd highest profit.

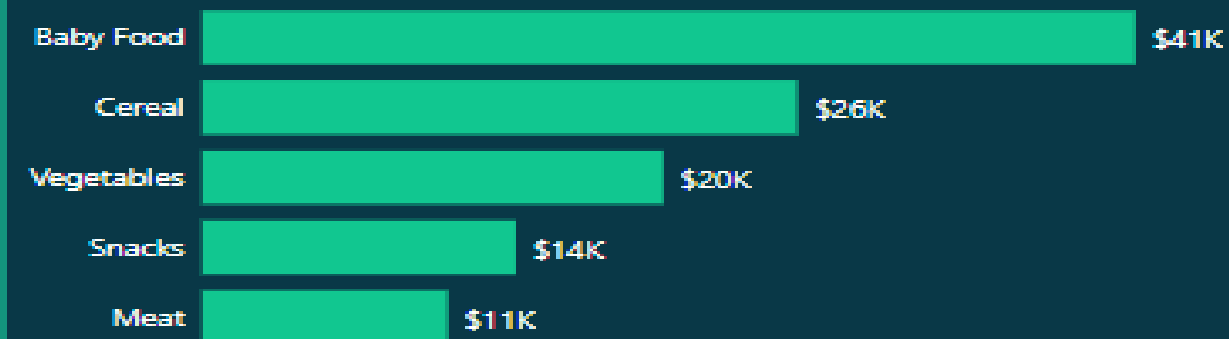
Total 5 Profit by Item



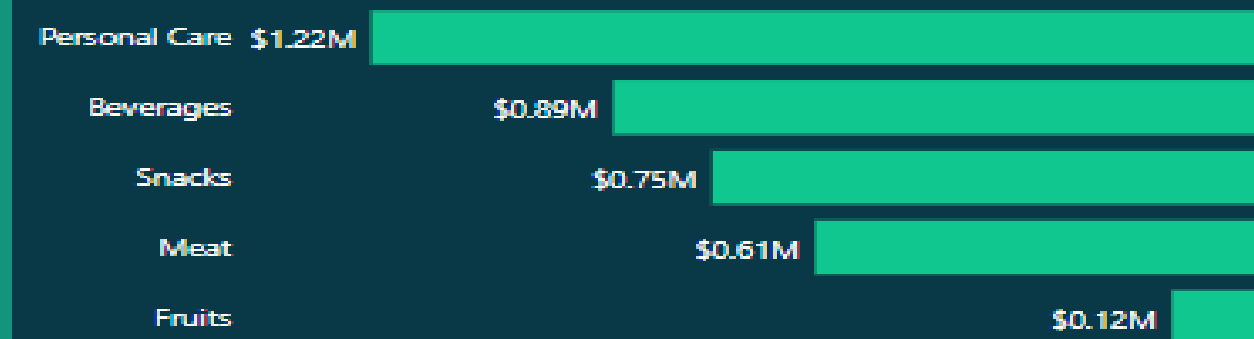
Bottom 5 Sales by Item



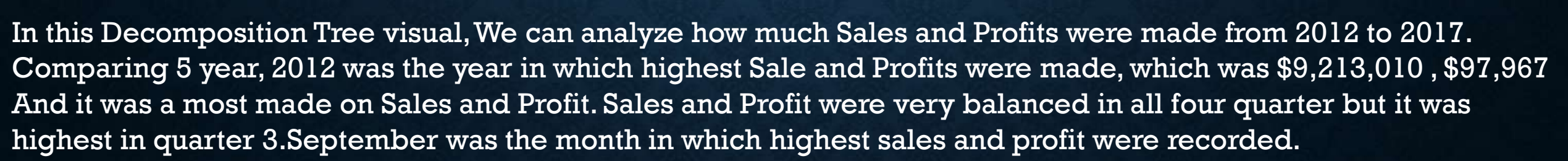
Bottom 5 Sales by Item

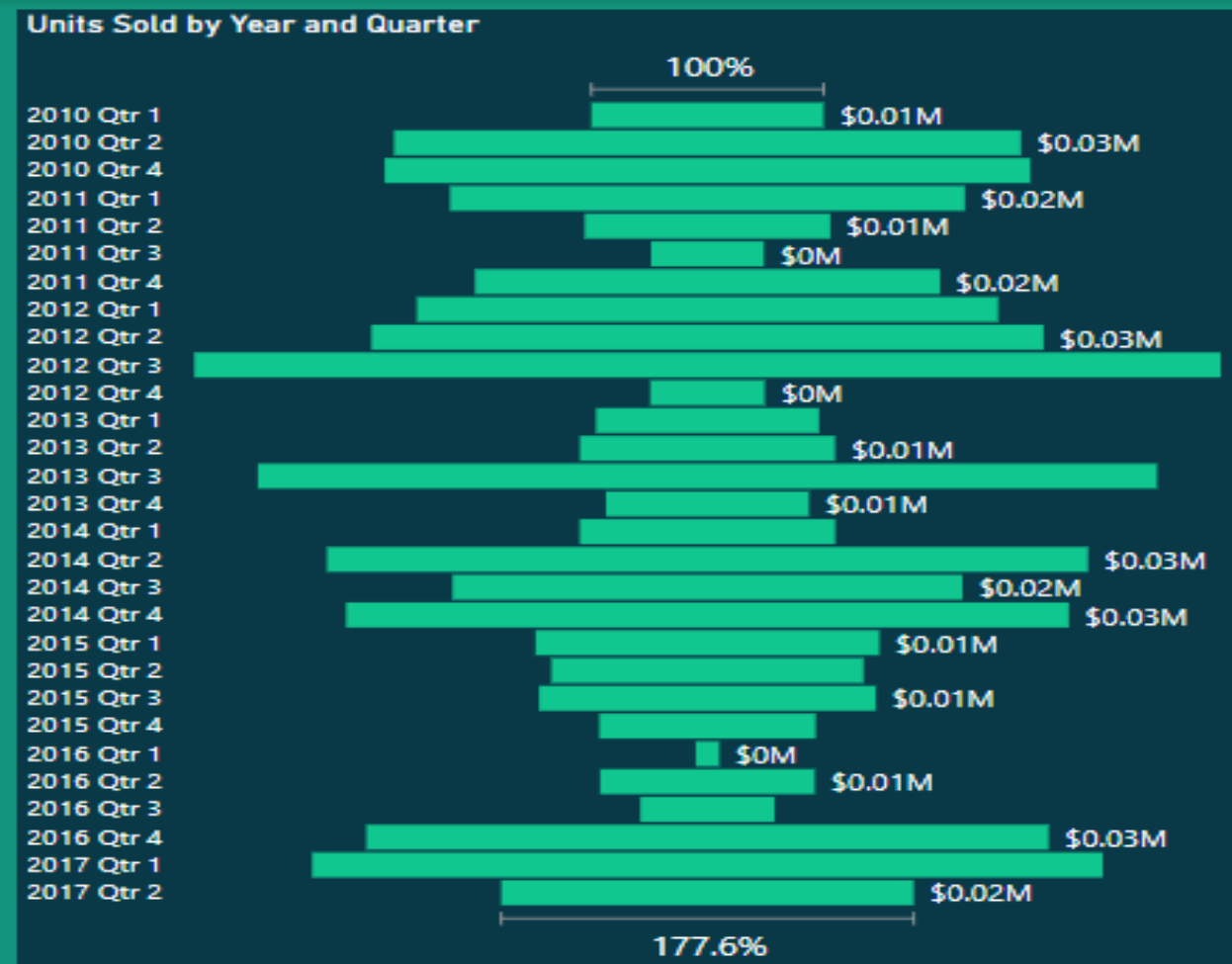


Bottom 5 Profit by Item



At \$14,556,048 Cosmetics had the highest Profit was 73.29% higher than Baby Food which had 5th highest profit at \$3,886,643. \$10675 Meat had the lowest Sales item was 72.45% lower than Baby Food. \$83,718 Cosmetics had the highest sales and was 14% higher than clothes, which had the 2nd highest sales at \$71,260.



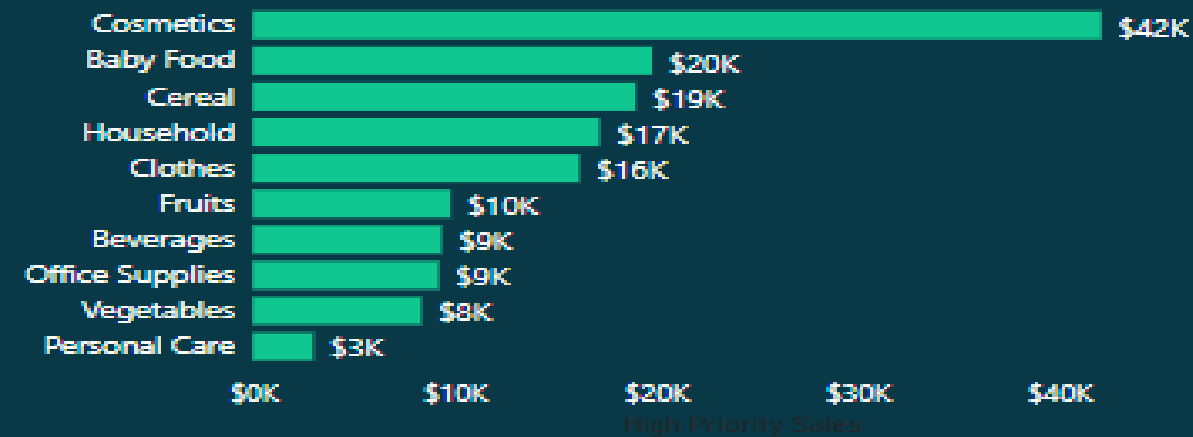


Order Date	First Item	Unit Cost	Unit Price
2010-10-24	Office Supplies	\$524.96	\$651.2
2011-11-07	Office Supplies	\$524.96	\$651.2
2011-11-26	Office Supplies	\$524.96	\$651.2
2012-01-11	Office Supplies	\$524.96	\$651.2
2012-02-16	Office Supplies	\$524.96	\$651.2
2012-04-01	Office Supplies	\$524.96	\$651.2
2012-06-13	Office Supplies	\$524.96	\$651.2
2013-02-01	Office Supplies	\$524.96	\$651.2
2013-04-23	Office Supplies	\$524.96	\$651.2
2014-05-02	Office Supplies	\$524.96	\$651.2
2015-10-27	Office Supplies	\$524.96	\$651.2
2016-12-06	Office Supplies	\$524.96	\$651.2
2010-12-30	Household	\$502.54	\$668.2
2011-04-23	Household	\$502.54	\$668.2
2012-01-05	Household	\$502.54	\$668.2
2012-02-10	Household	\$502.54	\$668.2
2012-05-26	Household	\$502.54	\$668.2
2012-10-21	Household	\$502.54	\$668.2
2014-11-06	Household	\$502.54	\$668.2
Total	Baby Food	\$19,104.800000000001	\$27,676.13000000000

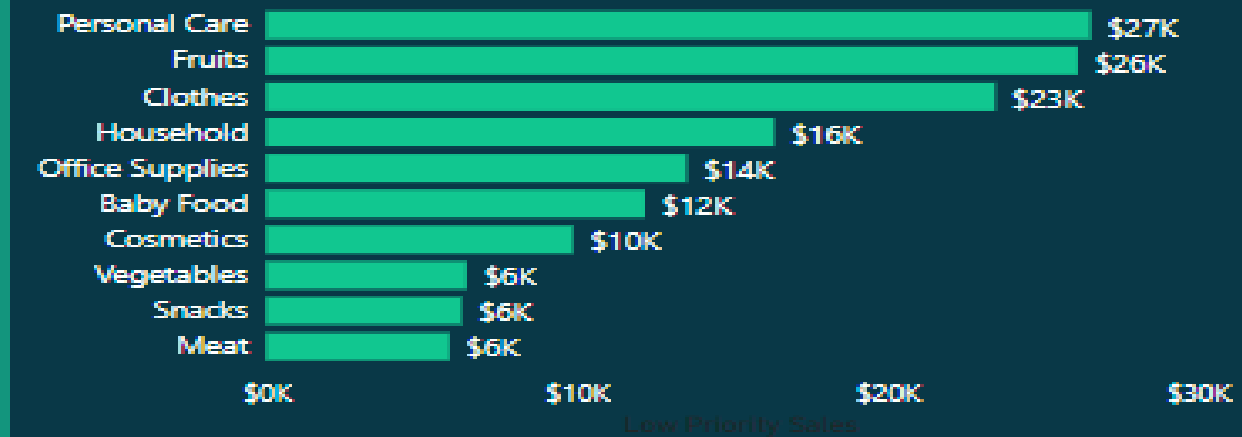


In this visual we can analyze how much total Unit Sold by Year and Quarter \$41,995 is the highest unit sold in Quarter 3 , 2012 was 12.39% higher than 2nd highest quarter 3 , 2013 Sales.

High Priority Sales by Item

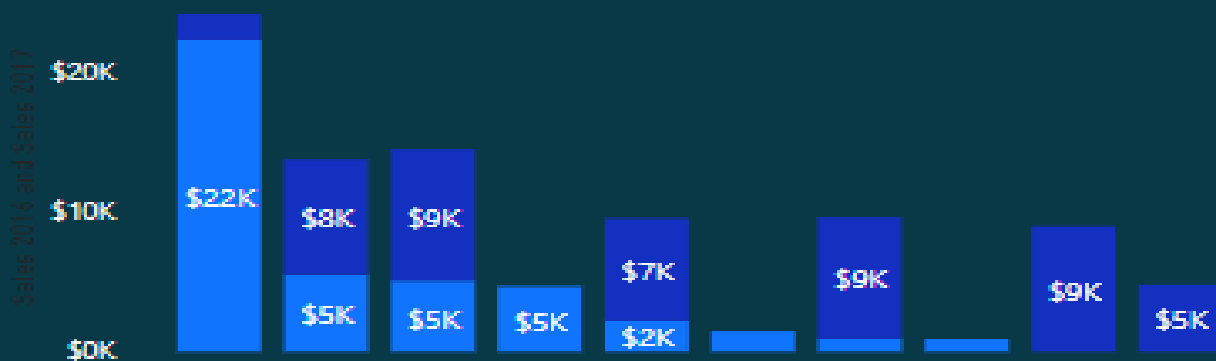


Low Priority Sales by Item

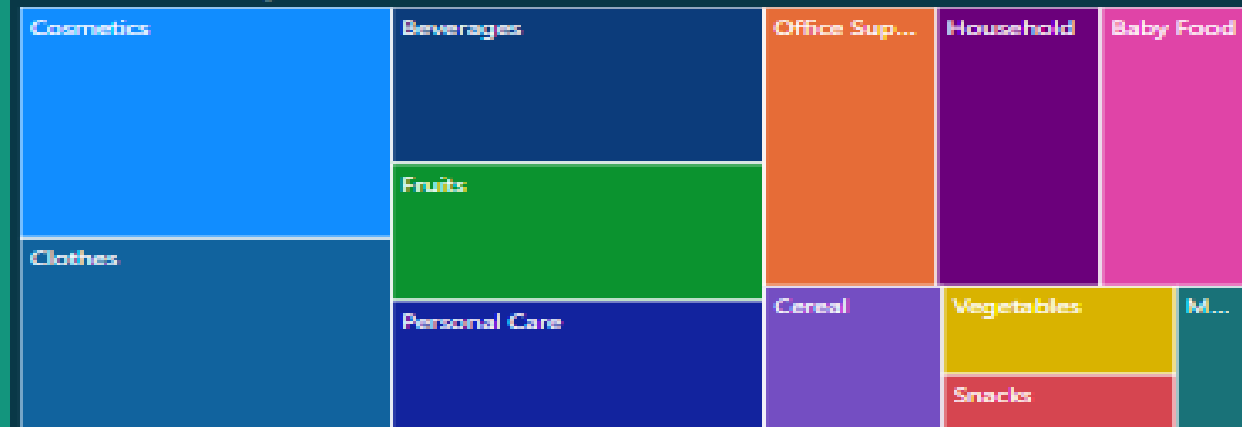


Sales 2016 and Sales 2017 by Item

● Sales 2016 ● Sales 2017



Total Unit Sold by Item



In this visual we can analyze High priority item and Low priority item. \$42,112 Cosmetic was the higher priority item 92.94% higher than Personal care \$3015 which is the last priority sales item. and in Stacked column chart, comparing sales between 2016 to 2017. At \$22,308 Cosmetic in 2016 is the 98.16% higher than the \$1015 Cosmetic in 2017.

Thank You