

Product Sales Analysis with Machine Learning

Phase 4

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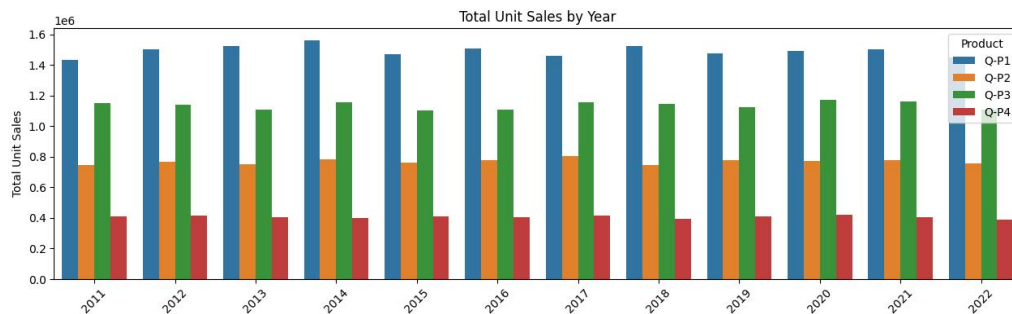
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Introduction

The purpose of this report is to document the data analysing performed on the dataset contained in the "statsfinal.csv" file. Data analysing is a crucial step in data analysis. It gives the visualized form of data.

Visualization

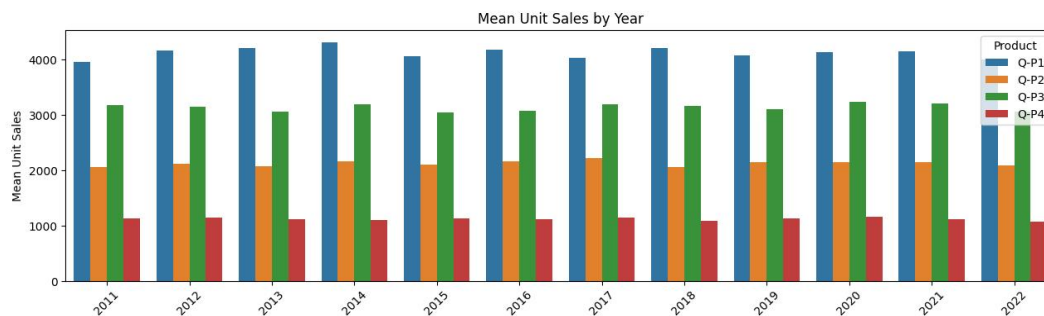
Total Unit sales of products P1, P2, P3, P4 from 2011 to 2022



Insights

Total unit sales have been relatively consistent from 2011 to 2022. Product Q-P2 consistently leads in total unit sales.

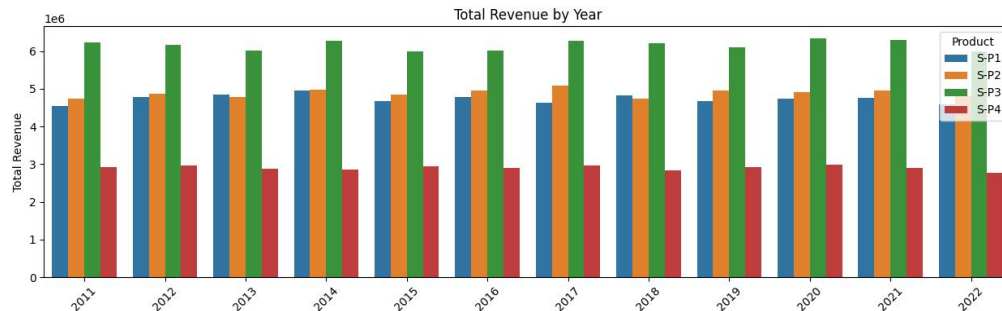
Mean Unit sales of products P1, P2, P3, P4 from 2011 to 2022



Insights

The mean unit sales for all products show a gradual increase over the years. Product Q-P4 has the highest mean unit sales in recent years.

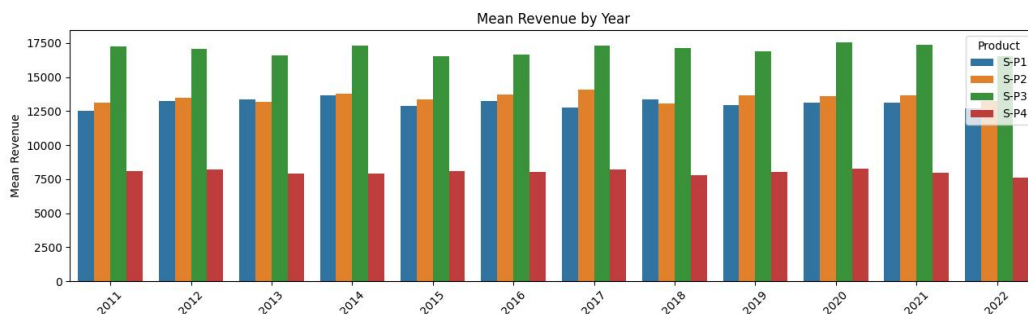
Total revenue earned from products P1, P2, P3, P4 from 2011 to 2022



Insights

The revenue earned from product is consistent over the years. The product S-P1 earned more revenue

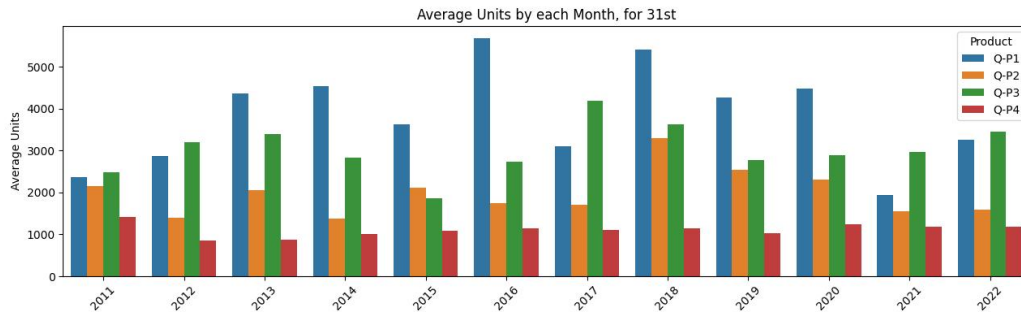
Mean revenue earned from products P1, P2, P3, P4 from 2011 to 2022



Insights

The revenue earned from product is consistent over the years. The product S-P1 earned more revenue

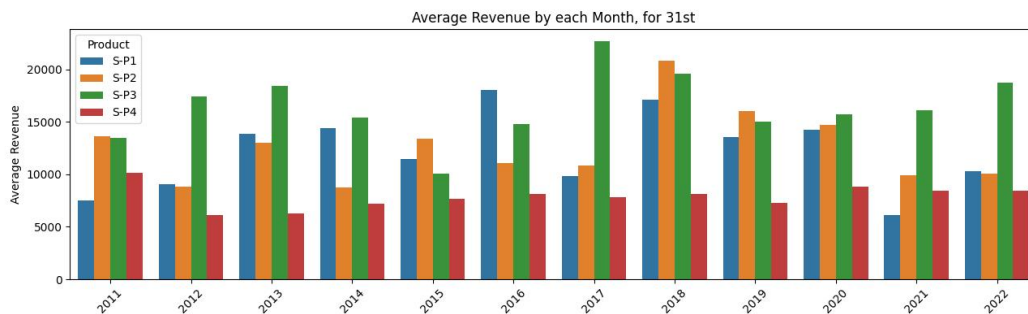
Average units of product sold by each month, for 31st from 2011 to 2022



Insights

The units of product sold in each month is gradually increasing and decreasing over the years. The product Q-P1 is sold more

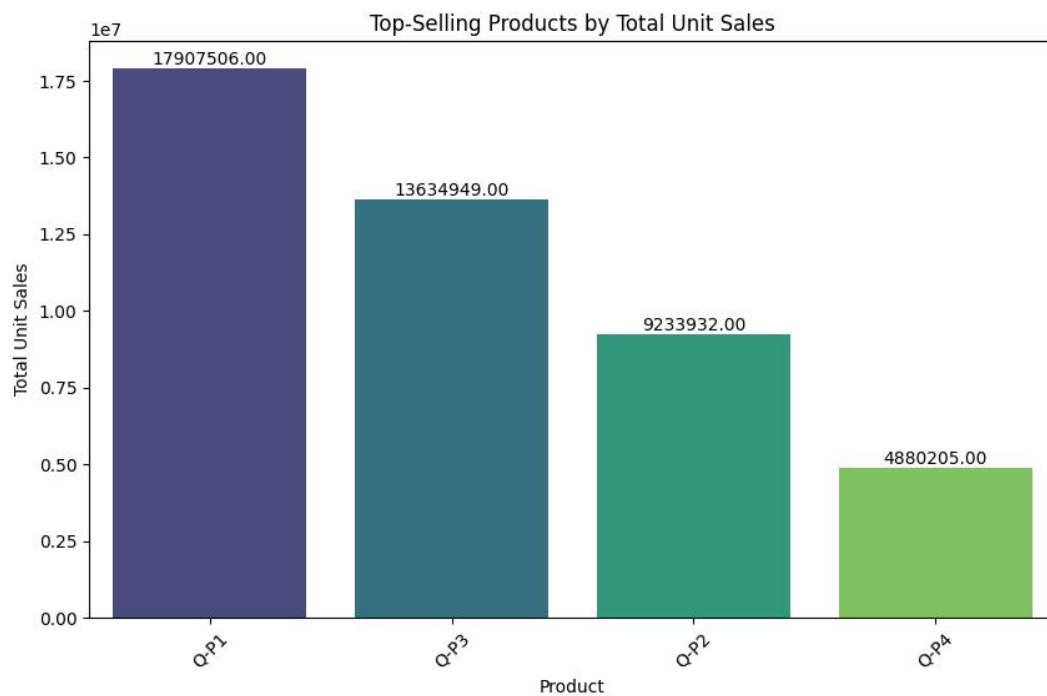
Average revenue earned from product sold by each month, for 31st from 2011 to 2022



Insights

The average revenue earned in each month is gradually increasing and decreasing over the years. The product S-P3 earned much.

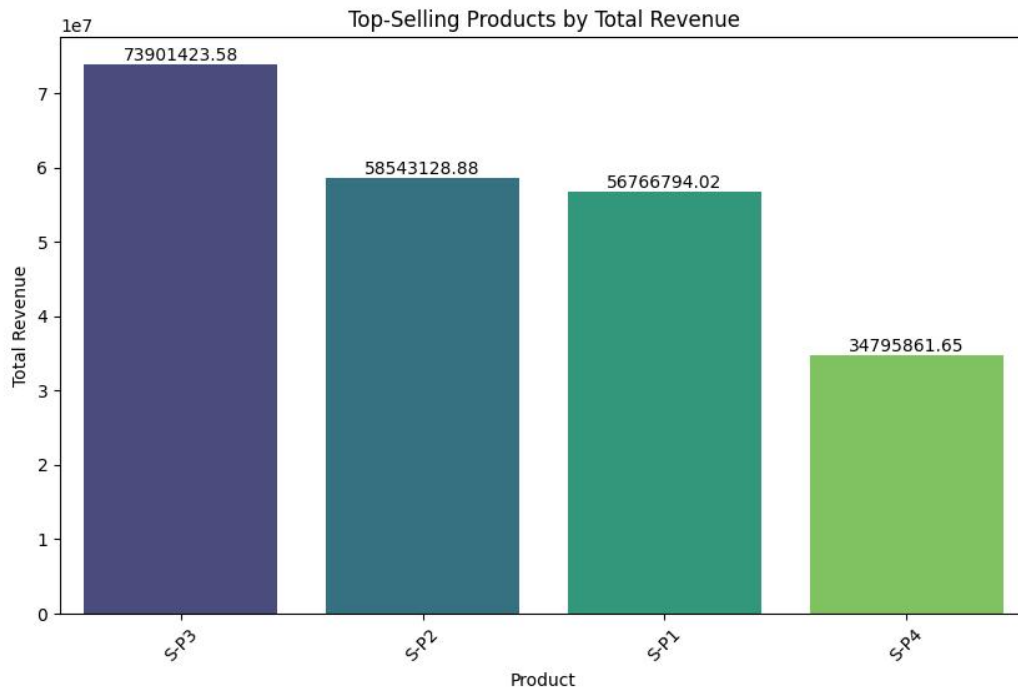
Top selling products by total unit sales



Insights

The product Q-P1 is the top selling product and Q-P4 is the least selling product based on unit sales

Top selling products by total revenue



Insights

The product S-P3 is the top selling product and S-P4 is the least selling product based on total revenue

Conclusion

The given product dataset is analysed and visualized