**Product Sales Analysis**

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Tools

* Power BI
* SQL
* Python

Steps:

* Imported into SQL with so many null values and wrong data types
* Manipulated and cleaned data in SQL, removing null and wrong values
* Created views with the transformed data, cleaned duplicate data
* Used stored procedures to answer questions.
* Exported to Power BI using direct import
* Created dashboards on Power BI and extracted insights
* Performed time intelligence calculations including moving averages and revenue/sales forecasting
* Worked on SQL and Power BI independently
* Imported data into python using pandas and SQL alchemy.
* Struggled with SQL alchemy a lot
* Realised there were duplicated in the data from Python, adjusted my SQL query to remove the duplicates
* Answered Questions on Python

Source

<https://www.kaggle.com/datasets/knightbearr/sales-product-data?select=Sales_September_2019.csv>

<https://www.kaggle.com/code/amirmotefaker/sales-product-analysis>

<https://www.kaggle.com/code/lqrissadias/sales-data-exploratory-data-analysis>

Graphical user interface, application

Description automatically generated**Dashboard**

**Chart, line chart

Description automatically generatedDashboard**

**Dashboard**Graphical user interface, application

Description automatically generated