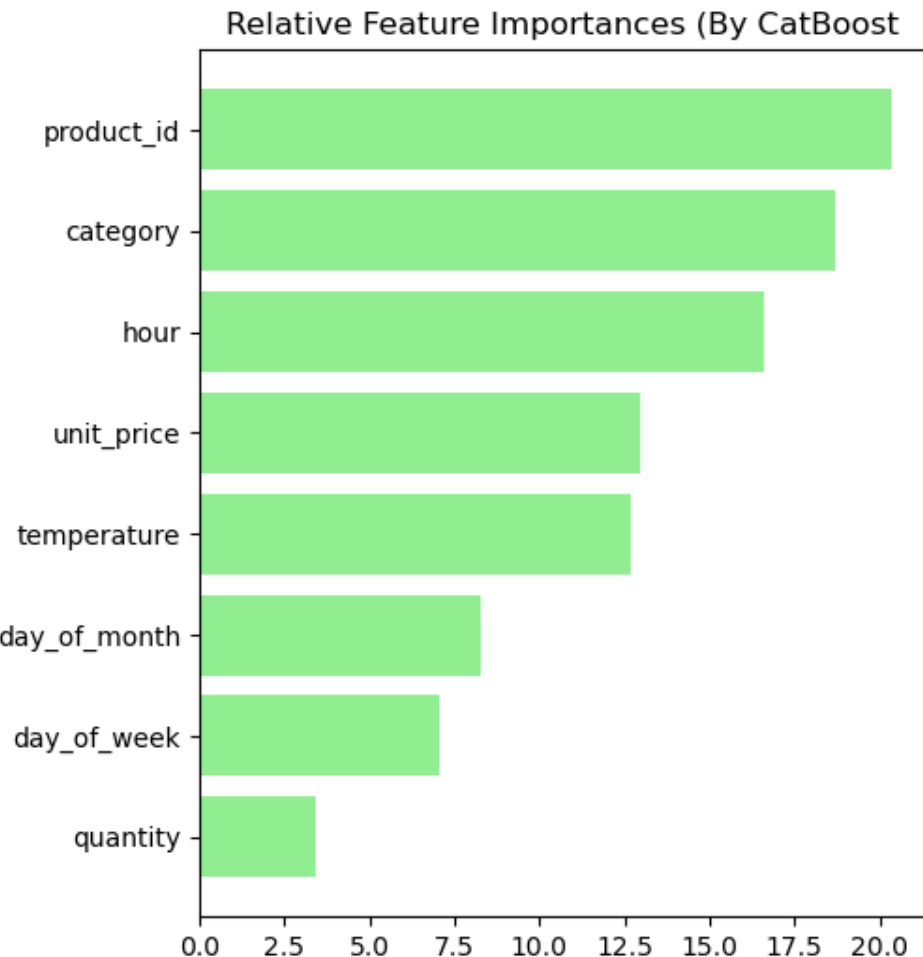


Smarter Stock Management for Better Procurement



Problem Statement: Can we accurately predict product stock levels using sales and sensor data to improve procurement?

Model Selection: Utilized CatBoost model for its strong performance in handling complex datasets.

Model Performance:

The model's accuracy is limited, with an R-squared consistently below 0.

Results Summary:

- Consider the impact of hour and temperature on stock management strategies.
- Additional data and alternative approaches are needed for accurate predictions.

Conclusion:

While promising, the model requires more data and refinement for more accurate stock level predictions.