Stock Level Prediction Strategy

01 GOAL

To predict stock levels of products on an hourly basis to intelligently procure products from suppliers.

02 DATA

Sales data: quantity, unit price, total price

Sensor data: estimated stock percentage, storage temperature

03 METHODOLOGY

Regression problem

Machine learning workflow: train and test regression models (e.g. linear models, ensemble models) on historical data, tune and evaluate model performance, deploy final model

04 NEXT STEPS

Continuously evaluate and refine model to ensure accuracy and effectiveness in procurement strategy