Proposed strategic plan

Data Modelling

- Combine <u>sensor data regarding stock level</u> with sales data.
- Build methodology to alert stock shortage which should trigger procurement process.

Evaluation

- Test the model to some stores and evaluate the effectiveness.
- Enhance the model based on further field observation and analysis, fix issues if any.

Deployment

- Roll out the model to all stores.
- Integrate system solutions.
- Continue to monitor the effectiveness and track areas of improvements.

Data Model Experimentation

Data Insights:

- Unit price, temperature, and hour of day are the most important factors in predicting stock.
- Product category does not contribute much for predicting stock.
- Using the current data features, we can perform a promising prediction model. However, it requires more data to have better result accuracy.

Suggestions:

- Have more data features to analyze (if applicable).
- Have more data volume to improve the data training model.