Stock Evaluation and Results

Important features

- **Unit price:** the most relevant factor to predict the stock percentage

- **Temperature:** another feature which shows the product quality during storage

- **Timestamp** (hourly, weekly and monthly)

The Model

The model achieved a 51 % prediction accuracy. So, price and temperature are the major determinant of predicting stock by developing an IoT temperature sensor. However, product category does not determine stocks and how it's managed.

Therefore, more data of different storage time is required to improve model's performance. Business insights can be drawn from these evaluation to predict stock and how stocks are stored when received from suppliers.