

Overview

To predict the stock levels of products based on sales data and sensor data on an hourly basis in order to more intelligently procure products from our suppliers

01



To do data analysis of the three data sets available to us, and identify patterns and trends and prepare charts based upon the results.

To do feature engineering , specially for timestamp feature since we only want to focus on the hourly data on a weekly basiss



02

03



Merge three datasets into one single dataset, mainly based on two columns, product-id and timestamp and manage the missing data that could emerge in the process

Train a regression model to predict the stock percentage levels and do an accuracy analysis for the prediction results.



04