

PROBLEM STATEMENT

A food delivery service company has to deal with perishable raw materials on a daily basis. Abundant raw materials could lead to food wastage in a large quantity whereas depletion in raw materials could lead to customers seeking delivery service from competitor companies. Hence accurately predicting the quantity of raw materials needed for the food orders is essential.

The main objective of food demand forecaster project is to build a machine learning model which uses classification algorithm to forecast the number of orders to gather raw materials for the next 10 weeks. Appropriate data is gathered from relevant datasets which includes information about food delivery services in any area, meal information, price for each meal and discount of meals in a particular week. The machine learning model is then integrated with a web application.