CIS 530 - Course Project

Predict Backorder Product

Proposal

Team Members :

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Problem Statement :

Backorders are unavoidable, but by anticipating which things will be backordered, planning can be streamlined at several levels, preventing unexpected strain on production, logistics, and transportation. ERP systems generate a lot of data (mainly structured) and also contain a lot of historical data; if this data can be properly utilized, predictive model to forecast backorders and plan accordingly can be constructed. Based on past data from inventories, supply chain, and sales, classify the products as going into backorder (Yes or No).

Approach :

The machine learning tasks like Data Exploration, Data Cleaning, Feature Engineering, Model Building and Model Testing. Try out different machine learning algorithms that's best fit for the above case.

Dataset :

https://www.kaggle.com/datasets/ztrimus/backorder-dataset?
select=Kaggle_Training_Dataset_v2.csv

Results :

 You have to build a solution that should able to predict the backorder sales for a particular product according to the provided dataset.