## **ME781 Project**

# Data Counsel ~ Team 20

Arpit Saxena - 180040019

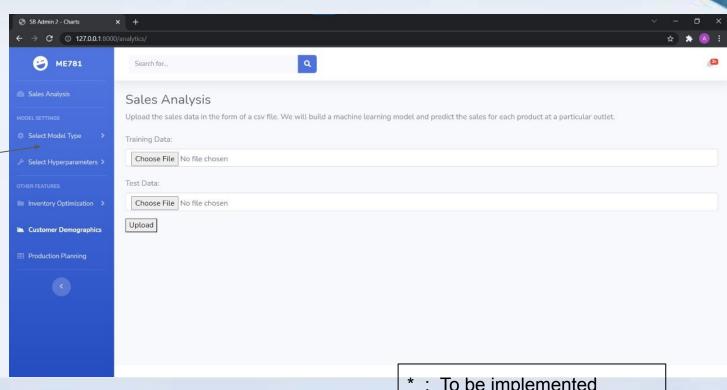
Utkarsh Sahu - 180100120

Vinut Raibagi - 203100056

Ashish Kumar - 213370007

Arpit Tiwari - 190110011

Select Model Type and Hyperparameters(\*)



\* : To be implemented

Select Model Type Training Data: Choose File No file chosen Select Hyperparameters > Test Data: Other features like Choose File No file chosen Inventory Optimization Inventory Optimiz., Upload Customer Demographics Demographics & **Production Planning** (\*)

Search for...

Sales Analysis

SB Admin 2 - Charts

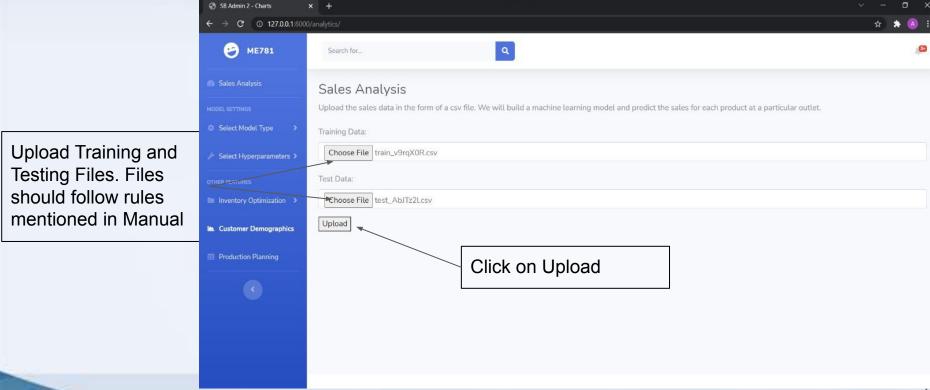
9 ME781

Sales Analysis

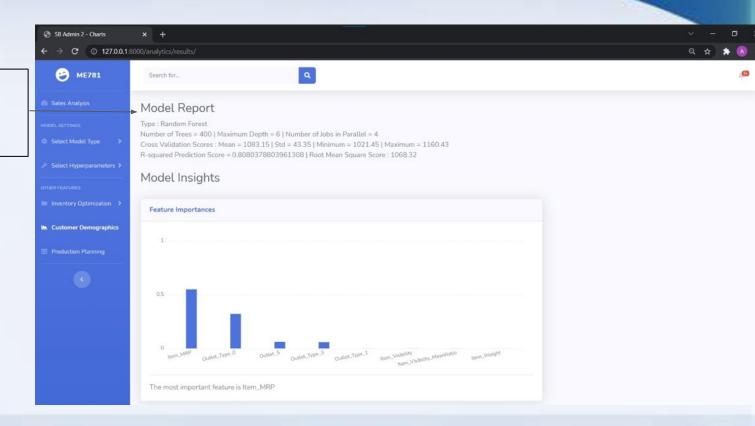
→ C ① 127.0.0.1:8000/analytics/

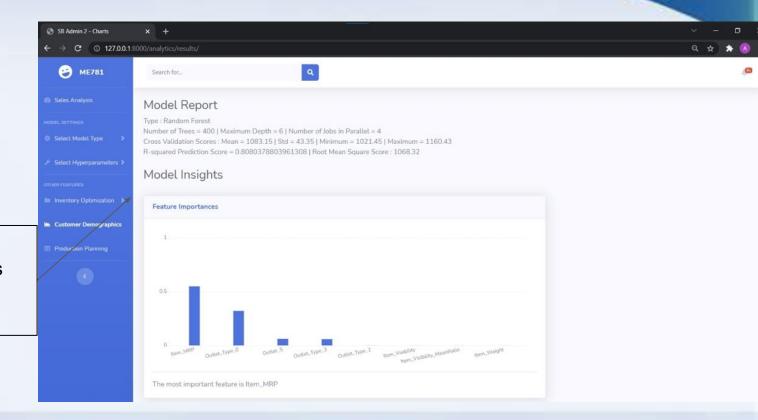
Upload the sales data in the form of a csv file. We will build a machine learning model and predict the sales for each product at a particular outlet.

Q



Model Report showing model settings & performance





Insights generated
i) Feature Importances
sorted in descending
order

Insights generated
ii) Variation of Sales
(y-axis) with the most
important feature (x-axis)



#### Model Predictions

Item_Identifier	Item_MRP	Item_Type	Outlet_Location_Type	Outlet_Type	Item_Outlet_Sales (Predicted)
FDW58	107.8622	Snack Foods	Tier 1	Supermarket Type1	1646.0
FDW14	87.3198	Dairy	Tier 2	Supermarket Type1	1370.0
NCN55	241.7538	Others	Tier 3	Grocery Store	575.0
FDQ58	155.034	Snack Foods	Tier 2	Supermarket Type1	2486.0



**Model Predictions** 

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