Model Development Phase Template

Date	07 May 2024
Team ID	722312
Project Title	Walmart Sales Analysis For Retail Industry With Machine Learning
Maximum Marks	5 Marks

Feature Selection Report Template

In the forthcoming update, each feature will be accompanied by a brief description. Users will indicate whether it's selected or not, providing reasoning for their decision. This process will streamline decision-making and enhance transparency in feature selection.

Feature	Description	Selected (Yes/No)	Reasoning
Store	Store identifier	Yes	Essential for analyzing sales data by store.
Date	Date of sales	Yes	Fundamental for time-series analysis and forecasting.
Temperature	Average temperature	Yes	May influence consumer behavior, especially for seasonal items.
Fuel_Price	Cost of fuel	No	Excluded as it may not directly impact sales at the store level.

MarkDown1	Promotional markdown 1	No	Excluded if not relevant for analysis
MarkDown2	Promotional markdown 2	No	Excluded if not relevant for analysis
MarkDown3	Promotional markdown 3	No	Excluded if not relevant for analysis
MarkDown4	Promotional markdown 4	No	Excluded if not relevant for analysis
MarkDown5	Promotional markdown 5	No	Excluded if not relevant for analysis
CPI	Consumer Price Index	Yes	Can provide insights into the economic environment affecting sales.
Unemployment	Unemployment rate	No	Excluded as it may not directly impact sales at the store level.
IsHoliday	Indicates holiday weeks	Yes	Important for understanding sales patterns during holiday periods.
Type	Store type	Yes	May influence sales based on store format (e.g., supercenter vs. mall)
Size	Store size	Yes	Significant for understanding differences in sales among stores.

Dept	Department identifier	Yes	Essential for analyzing sales data by department.