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| Wo\_Mart Approach  2021 |
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| September 19  Wo\_Mart  Authored by: Mohammed Shuaib Iqbal |

# Approach of Wo\_Mart Sales Forecast

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| 1. Firstly there is no #order column in test set so dropped that and merged both train and test set for feature extraction and set as DataFrame df. 2. As we are dealing with Time Series so I created some columns like ‘Year’, ‘Day’, ‘Month’, ‘DayOfWeek’, and ‘DayOfYear’ for further analysis. 3. Used log transform, sqrt transform for target variables as they are skewed and found out that log transform did better compared to sqrt transform. 4. Log transform had some issue with target being ‘zero’ as log(0) is undefined so found that out and imputed value=0 as this is because of no sales happened during that day for those stores. 5. Using TimeSeriesSplit for splitting the data for further analysis with no of splits=3. 6. Used CatBoost, XGB, LightGBM, Random forest and found out catboost working well on both train and test data. |