

Sales Forecasting Problem – 2

You are expected to forecast the sales for the next week for the top 5 fast moving categories of selected departments and stores.

Departments: Grocery, Beverages, Chilled | Stores: Dehiwela, Akuregoda, Union Place

Come up with an approach to identify above criteria.

1. Build a pipeline by creating following:
 - Processing Data sources
 - Primary keys (Store | Category | Week)
 - Target variable
 - Sales related features
 - Item related features
 - Time related features
 - Store related features
2. Assess the MAPE at following granularity:
 - Store | Department | Week
 - Store | Item Category | Week
3. Incorporate model management best practices (Modularized Code, Logger, YAML file for configurations, Model Registry using mlflow, optimally use Delta)
4. Comment on the stability of Target variable
5. Schedule jobs for pipelines
6. Create a solution design document