# Demand Forecasting

## Phase 1:

Overall Working:

Data Load -> EDA -> Feature Engineering -> Model Run -> Forecasting

EDA

1. Understand the columns -> categorical, numerical.

Featuring Engineering

1. Time series features -> lag, difference, moving average, holiday,
2. External Data ->

Model Run:

1. Identify what the use case is Intermittent forecast, new product or existing product.

### Phase 2:

1. Add Experiment Tracking.
2. Add models for Intermittent forecasting Croston,
3. Add more simple models Seasonal Naïve,
4. Add neural network-based models Nbeatsx, LSTM, Encoder – Decoder
5. Improve performance of the models.
6. Improve parallelization of the runs
7. Looking to long term forecasting accuracies.