Group Name:

J & H Group

Members

1) Hina Merab Asif
    - Email: hinamerabtimothy@gmail.com
    - Country: England
    - Specialization: Data Science
2) Jasmine Luo:
    - Email: jazlallinone@gmail.com
    - College: University of Southern California
    - Specialization: Data Science
3) Junfei Liu:
    - Email: junfeiliu.jeff@gmail.com
    - College: University of Rochester
    - Specialization: Data Science

Problem Description

An Australian company wants to empower their forecasting models through AL/ML.

Business Understanding

The data of the company is time series data. For most of the retail products, there is a seasonal selling trend. Retail forecasting can help companies plan ahead and thus reduce related costs, such as inventory costs, and rentals for storages.

Project Life Cycle Along With Deadline

- Week 7 (January 19) : Overview of the project and group formation
- Week 8 (January 26) : Data Understanding
- Week 9 (February 2): Data Cleansing using different approaches
- Week 10 (February 9): EDA coding
- Week 11 (February 16): EDA presentation and model recommendations
- Week 12 (February 23): Model Selection and Model Building
- Week 13 (February 28): Final report and code

Data Intake Report

Name: Retail Forecasting
Report date: 19-01-2023
Internship Batch: LISUM16
Version:1.0
Data intake by: Hina Merab Asif & Jasmine Luo
Data intake reviewer: Data Glacier
Data storage location:
https://docs.google.com/spreadsheets/d/1sOTsmkY4ZeNzww_yDGePGYt1iXtZjNHb/edit#gid=721815828

Tabular data details: Retail Forecasting

Total number of observations	1219
Total number of files	1
Total number of features	12
Base format of the file	.xlsx
Size of the data	51KB

Proposed Approach: Forecasting through Machine Learning

Github Repo Link

https://github.com/Hinasif/Retail-Forcasting-Group-Project-.git