

# Project Proposal of Store Sales Prediction

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## 1. Introduction:

The purpose of this notebook will be to predict the number of sales for each store to provide the stores with essential insights into the upcoming inventory and cash flow for the following months

## 2. Data Description:

This dataset can be found at Kaggle. This dataset contains over 18000 rows with 8 features and after engineering features 16. The dataset that they provided contains the information of sales with:

- **ID**: Unique identifier for a row
- **Store id**: Unique id for each store
- **Store type**: Type of the store
- **Location type**: Type of the location where the store is located
- **Region Code**: Code of the region where the store is located
- **Date**: Information about the date
- **Holiday**: If there is a holiday on the given date
- **Discount**: If the store offers a discount on the given date

### 2.1 Goals:

In my project, I will use machine learning to Store Sales Prediction to provide the stores with essential insights into the upcoming inventory and cash flow for the following months

## 3. Tools:

There are tools that will be used to achieve the goal of this project, such as:

- Numpy.
- Pandas.
- Matplotlib.
- The work will be done through Jupyter Notebook.

### Notes:

- The used features may be increase or changed and the model as well