



**SDAIA**  
الهيئة السعودية للبيانات  
والذكاء الاصطناعي  
Saudi Data & AI Authority

# SUPERSTORE SALES DATASET

Predict Sales using Time Series





Outline

Introduction

Dataset  
Description

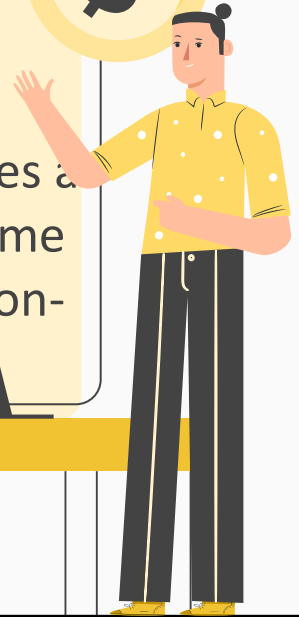
Preprocessing

Result



## INTRODUCTION

Retail dataset of a global superstore for 4 years deals with time series based data to extract patterns for predictions and other characteristics of the data. It uses a model for forecasting future values in a small time frame based on previous observations. It is widely used for non-stationary data, such as retail sales forecasting.



## Dataset Description

<b>Ship Date</b>	Product shipping date.
<b>Ship Mode</b>	pattern of shipped the product.
<b>Segment</b>	Type of department.
<b>Postal Code</b>	Number of postcode.
<b>Sales level</b>	Type of sales :costly, medium, cheap.

## Preprocessing

**A**

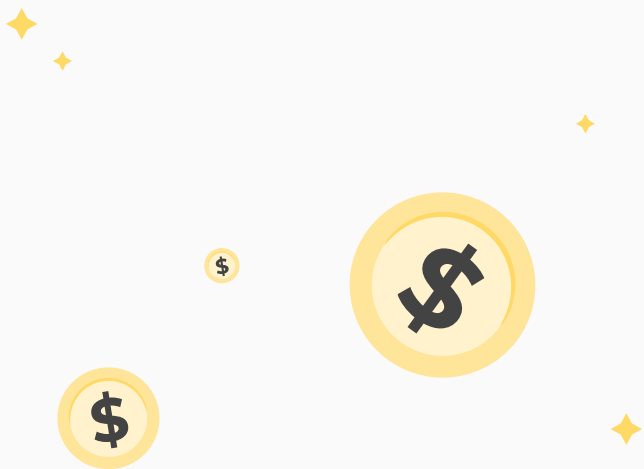
Remove null value  
and check if there  
are any missing  
value

**B**

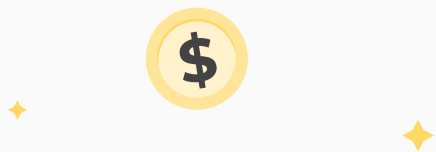
Convert data type  
of some feature

**C**

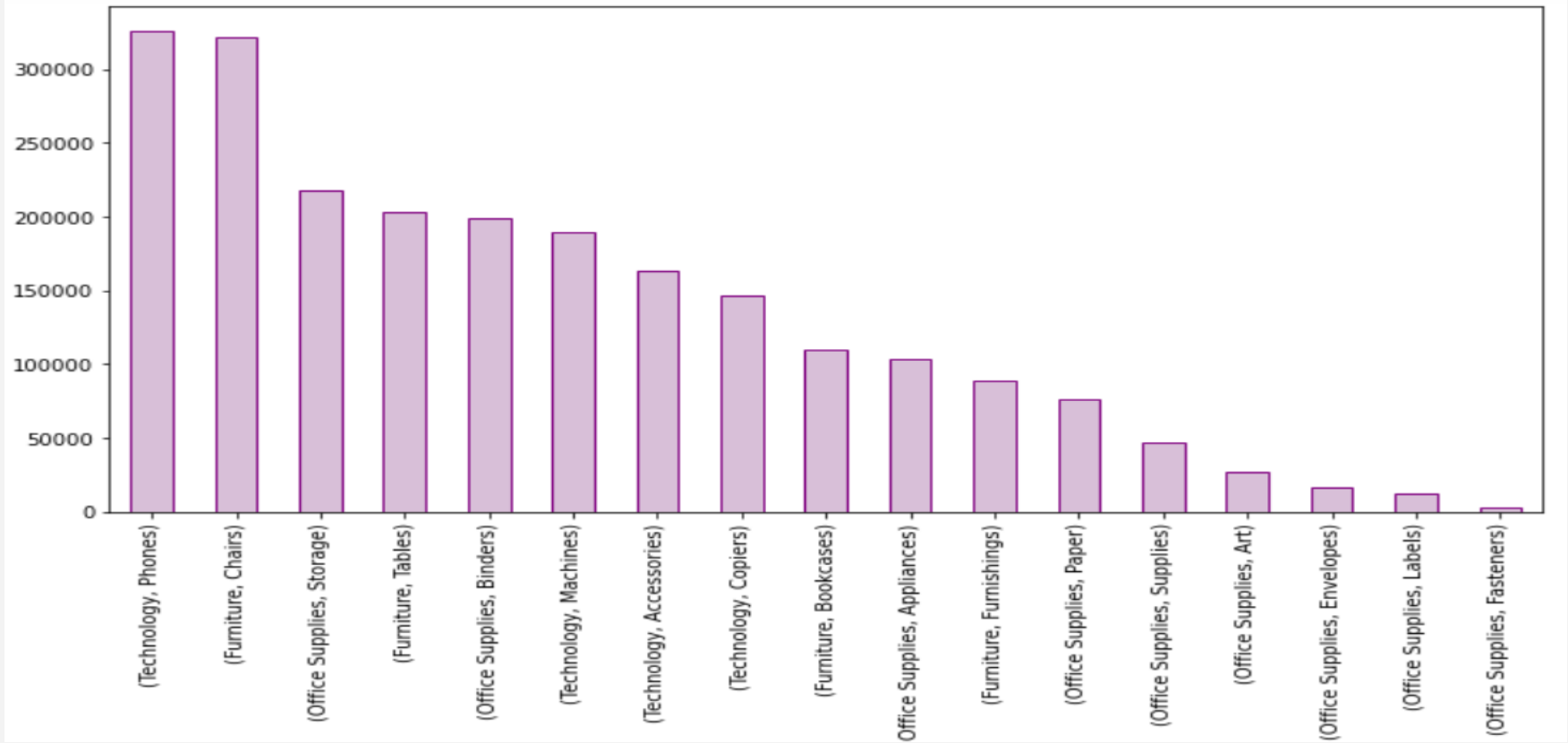
Add some columns in  
dataset



**RESULT**

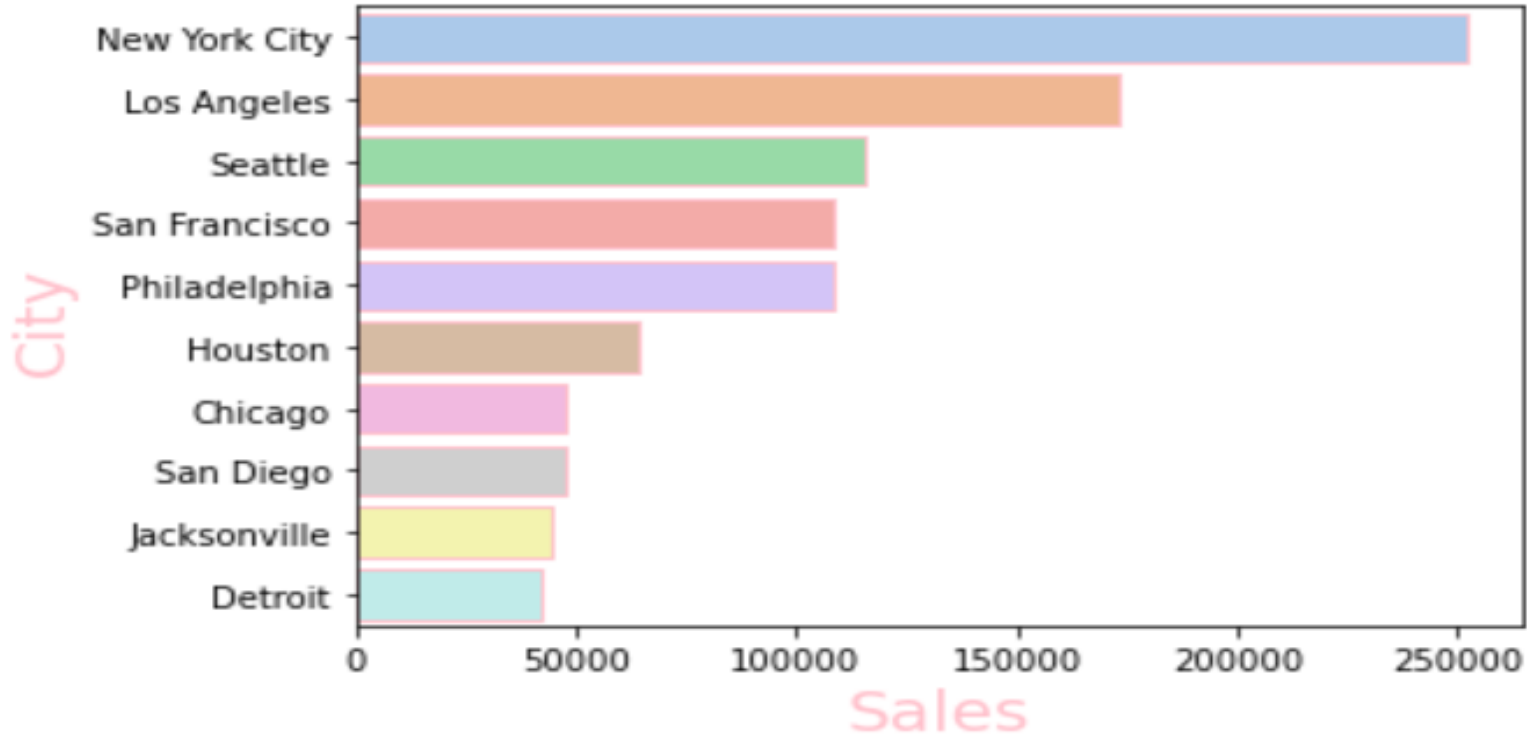


**THIS IS FIGURE REPRESENTS THE HIGHEST PARTS OF CATEGORY AND  
SUB\_CATEGORY COMPARED WITH SALES**



## WHAT IS THE MOST PURCHASED CITY?

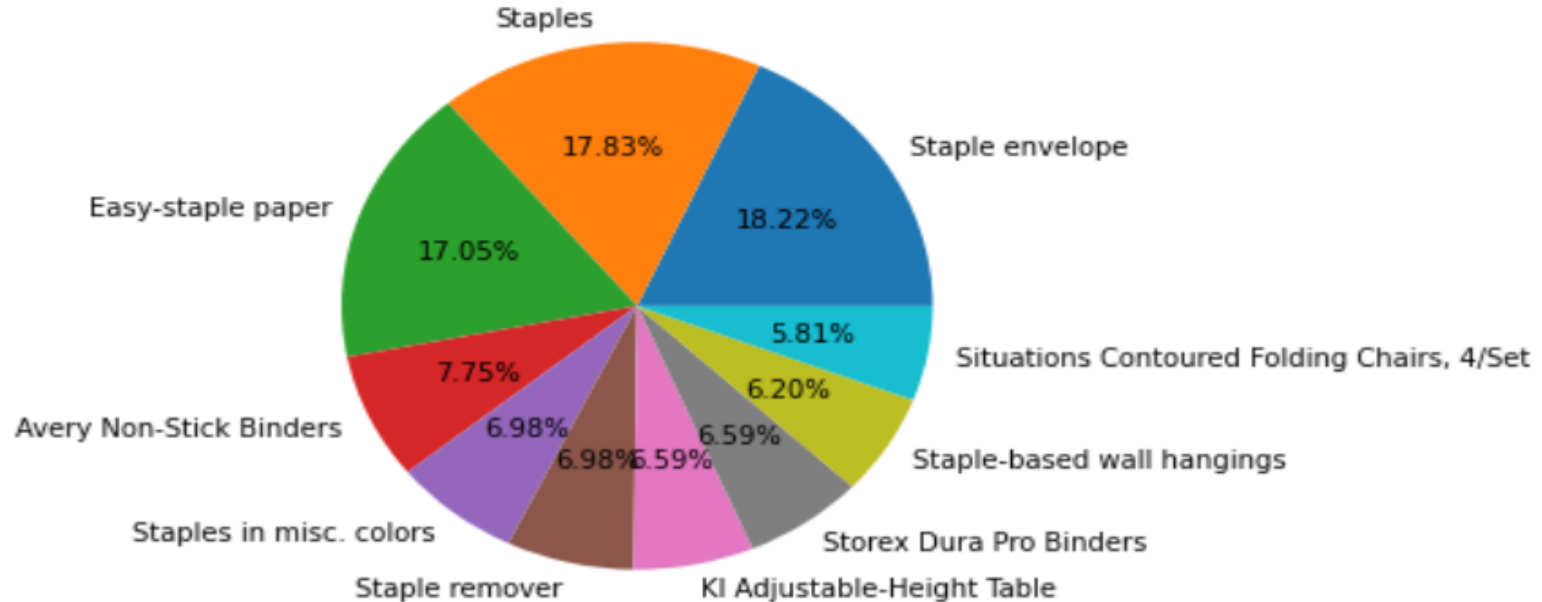
### Top\_10\_Cities in Sales



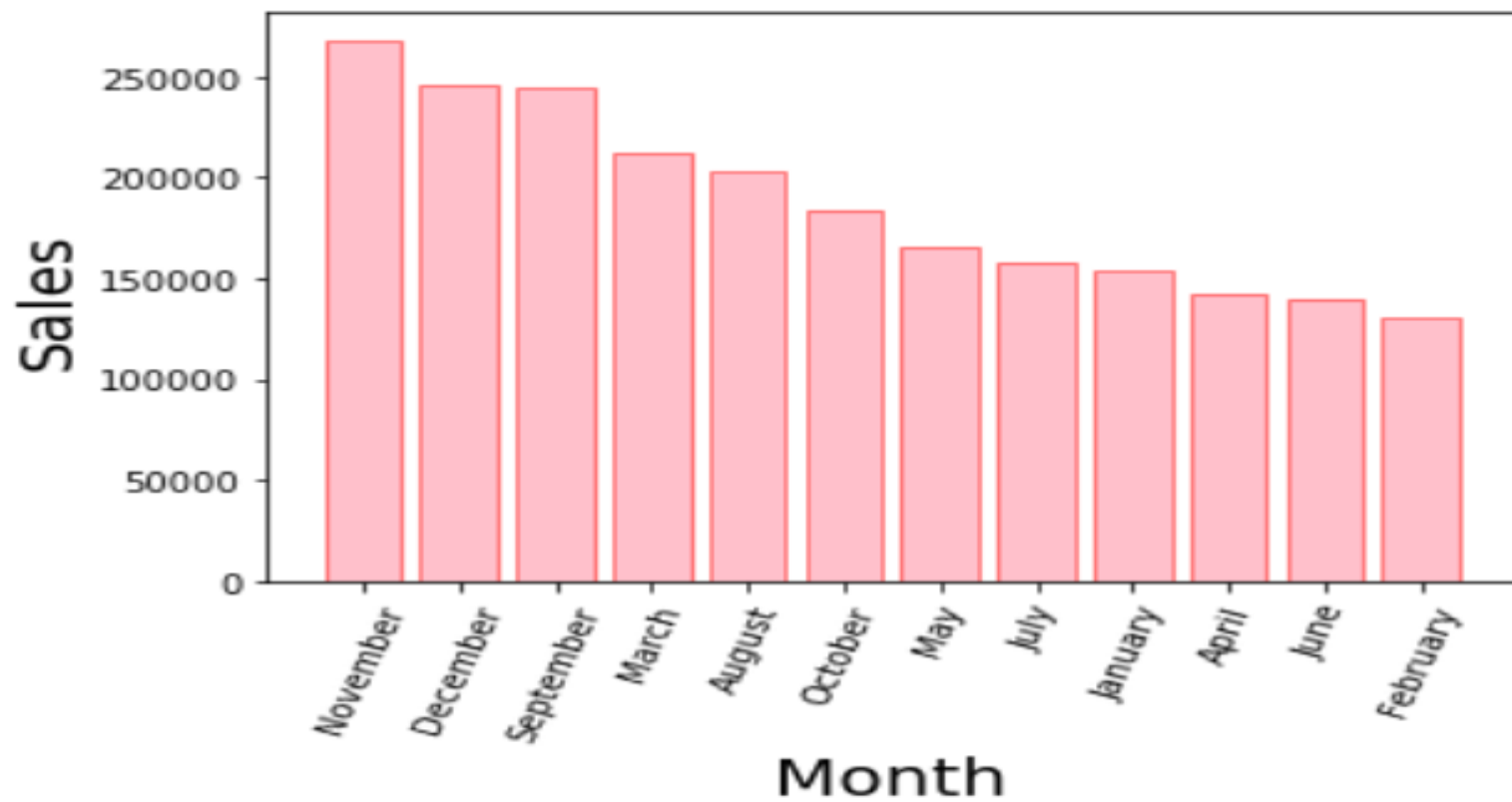


## WHAT IS THE MOST PURCHASED PRODUCT?

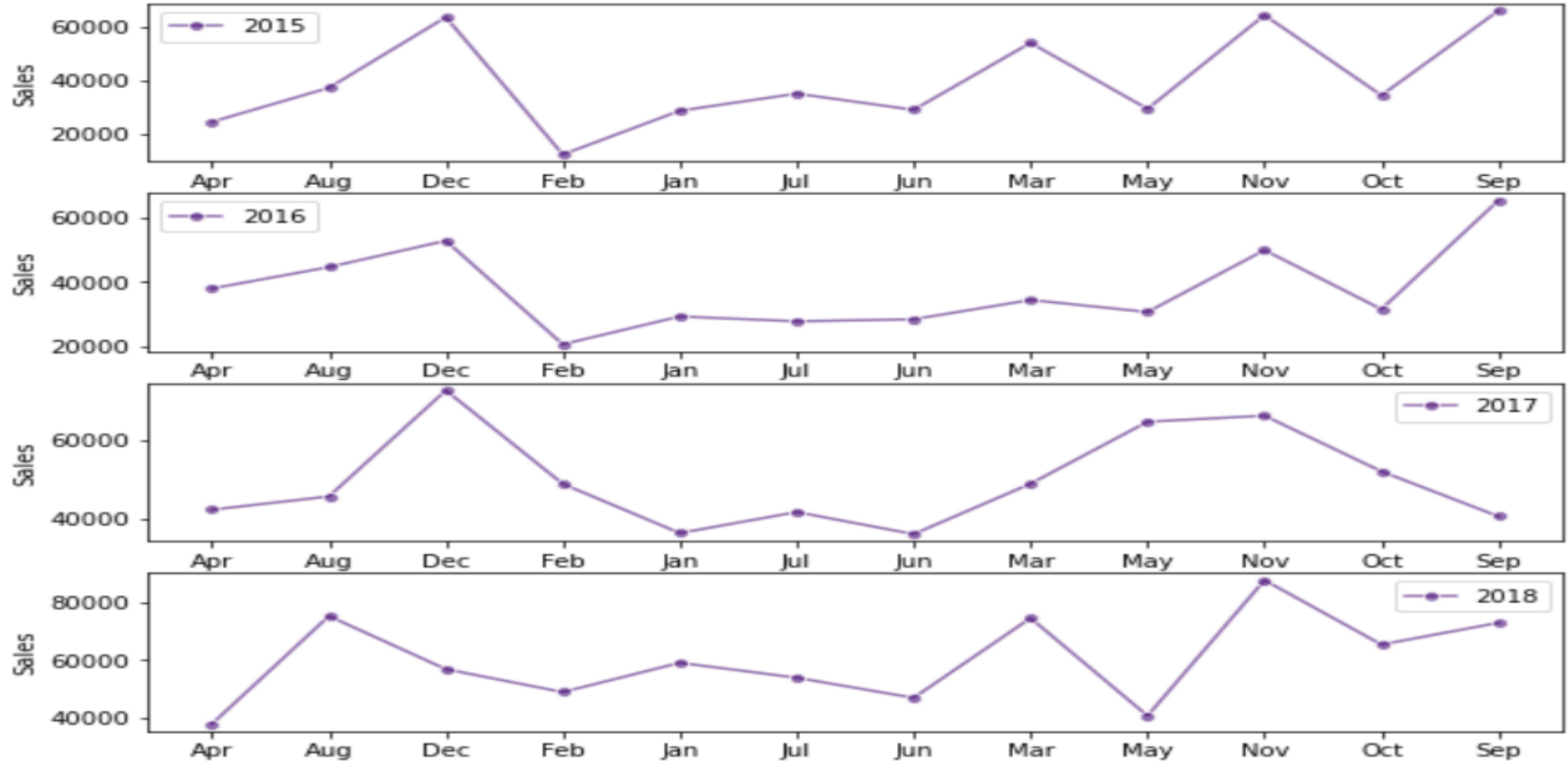
### Top\_10\_Product sales



## Sales based on Month



## *Monthly Year-to-Year observation of Sales Pattern.*



# THANKS

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