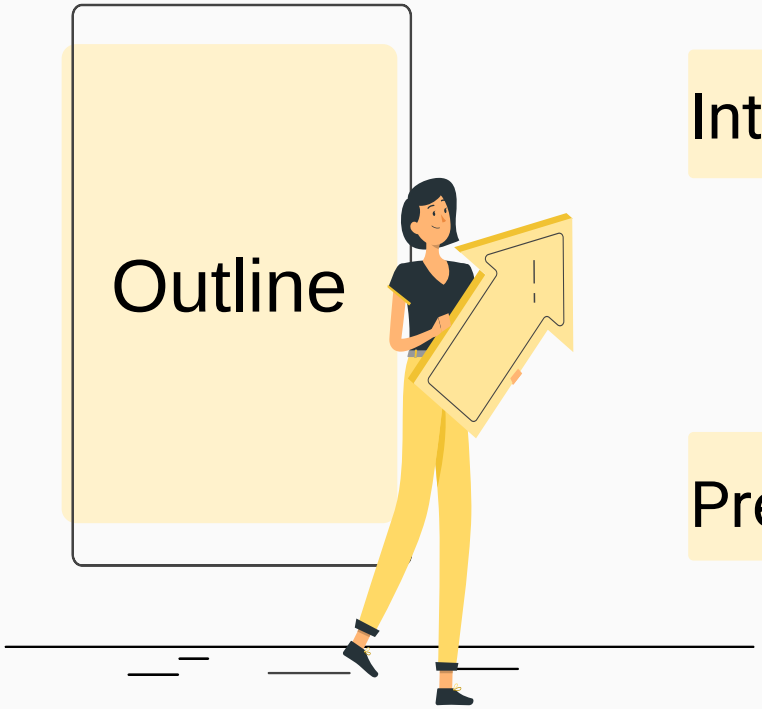
SDAIA
الهيئة السعودية للبيانات والذكاء الاصطناعي
Saudi Data & AI Authority

SUPERSTORE SALES DATASET

Predict Sales using Time Series

Outline



Introduction

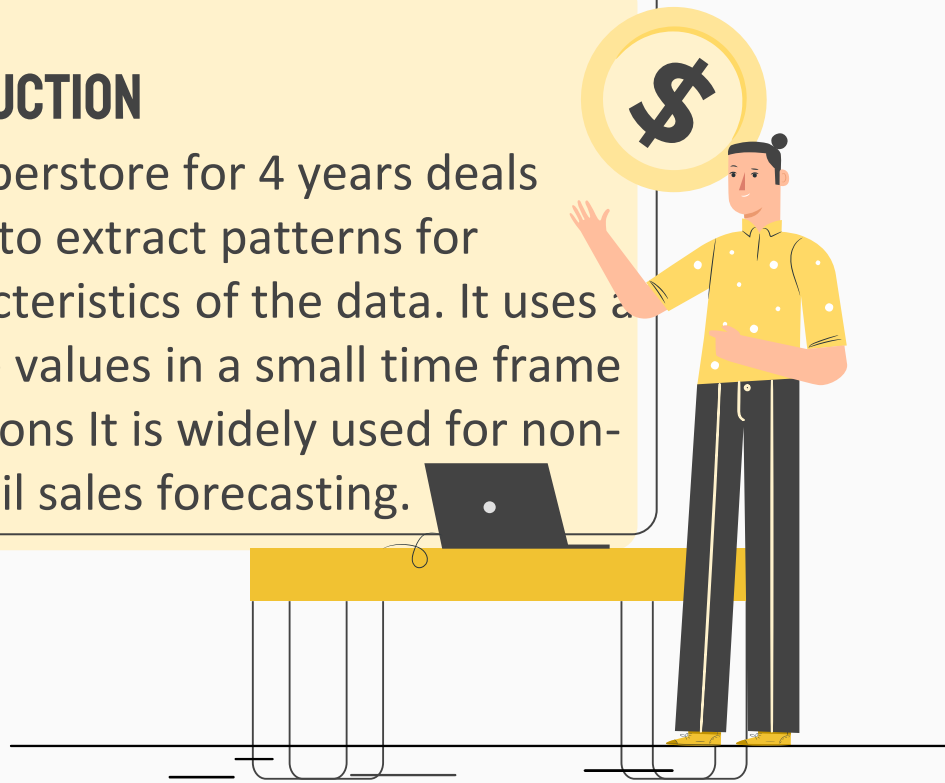
Dataset Description

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

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

Preprocessing

A

Remove null value and check if there are any missing value

B

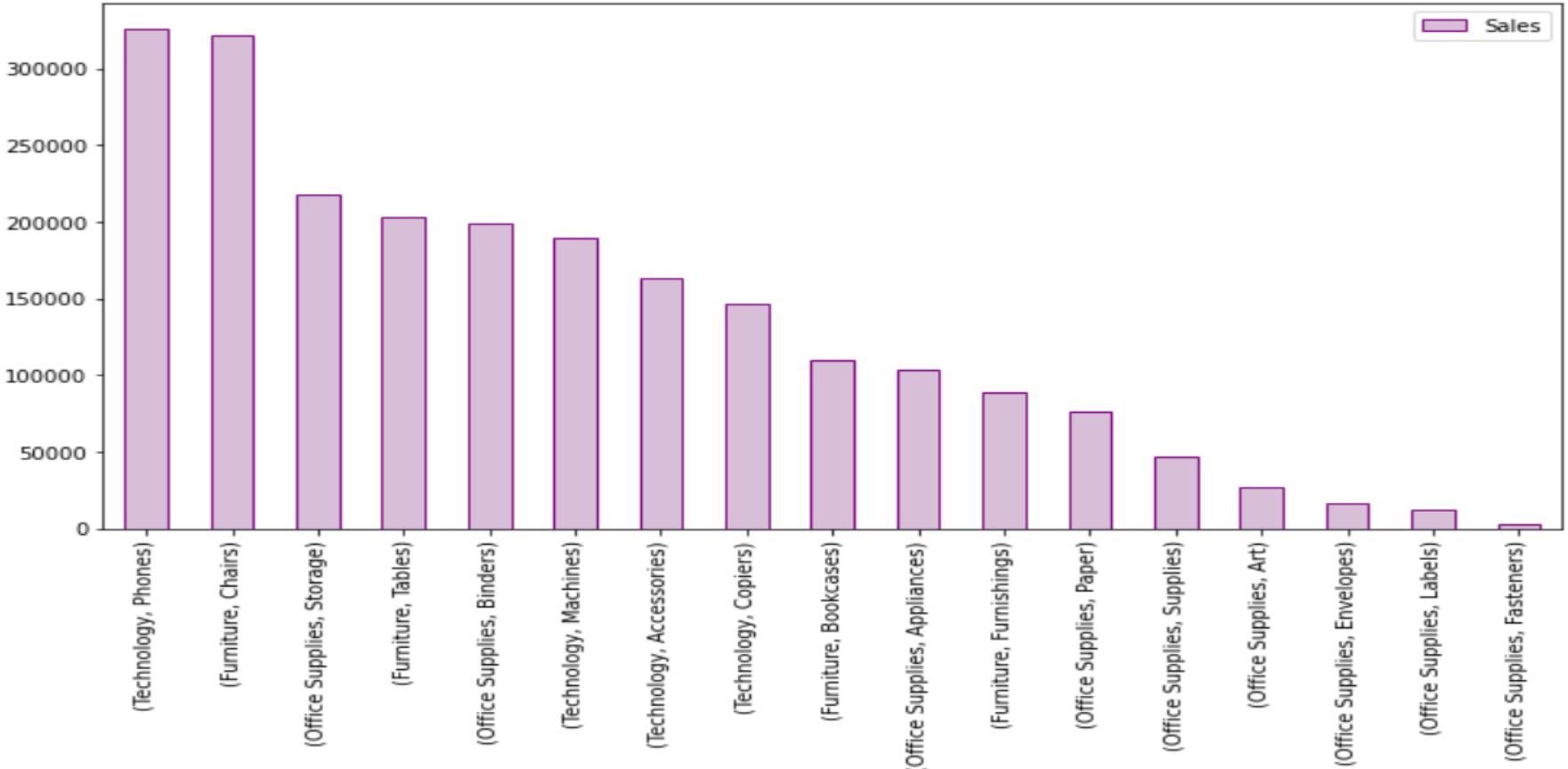
Convert data type of some feature

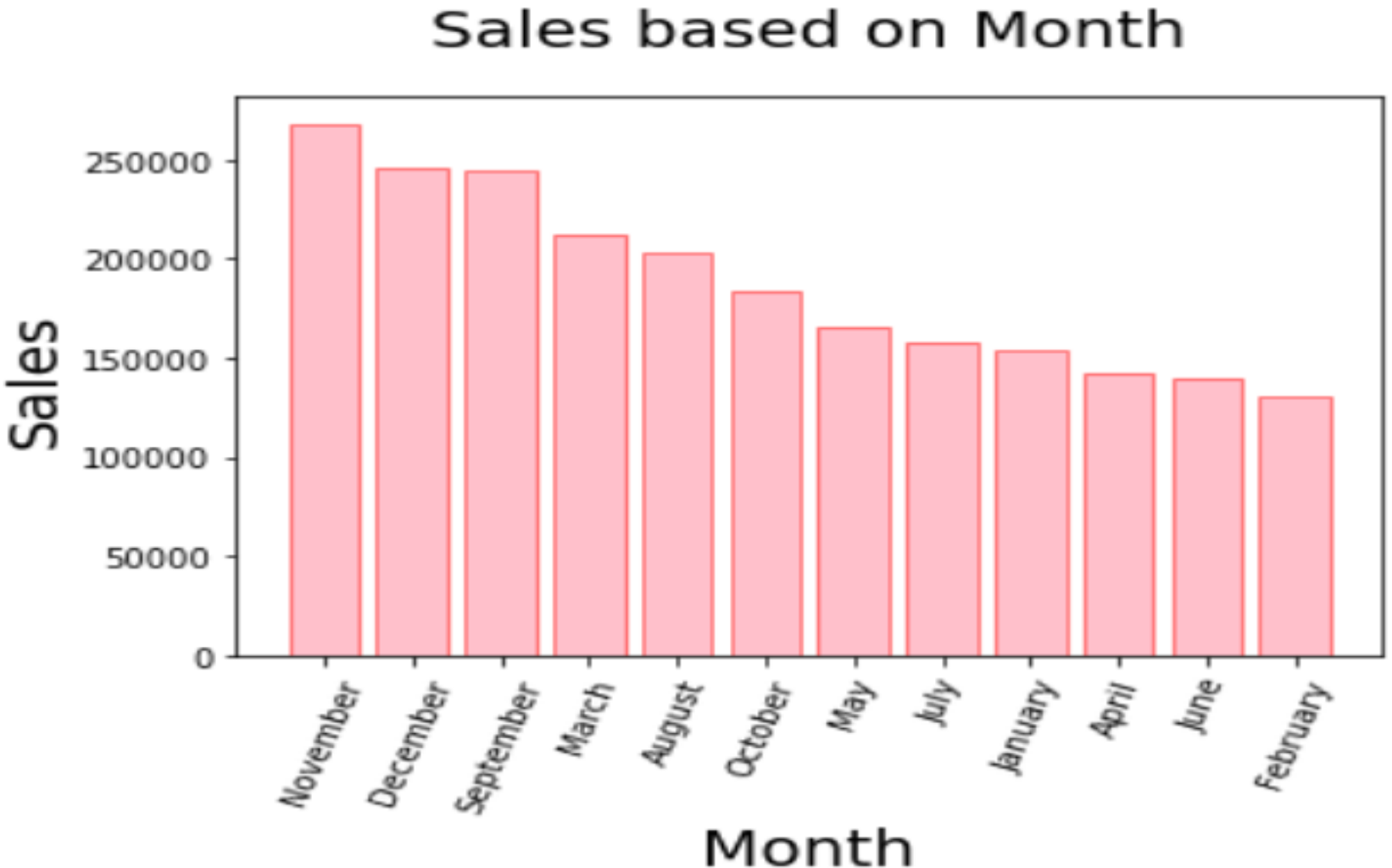
C

Add some columns for using function

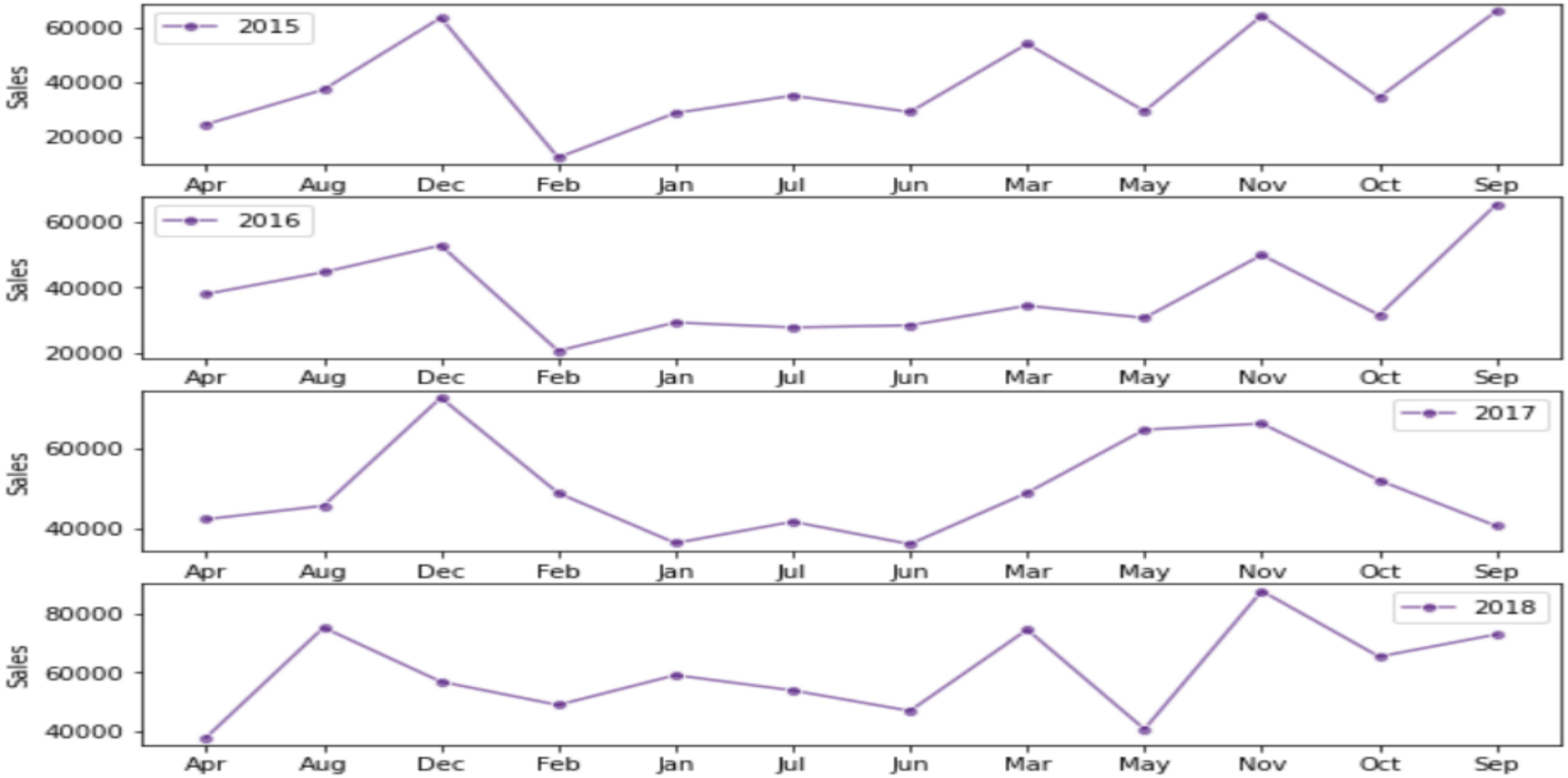
RESULT

THIS IS FIGURE REPRESENTS THE HIGHEST PARTS OF CATEGORY AND SUB_CATEGORY COMPARED WITH SALES

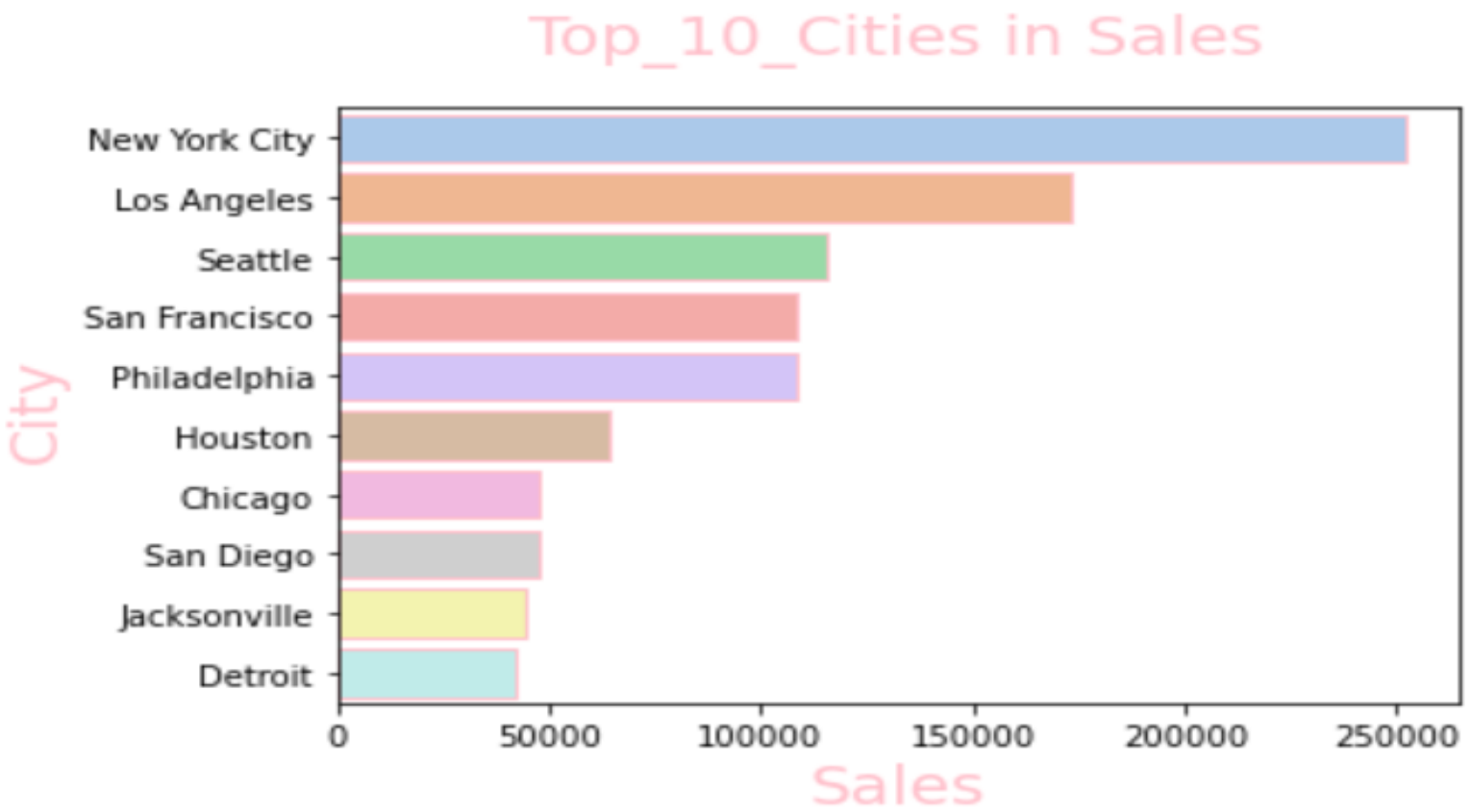



Sales based on Month
Sales
250000
200000
150000
100000
50000
0
November
December
September
March
August
October
May
July
January
April
June
February
Month

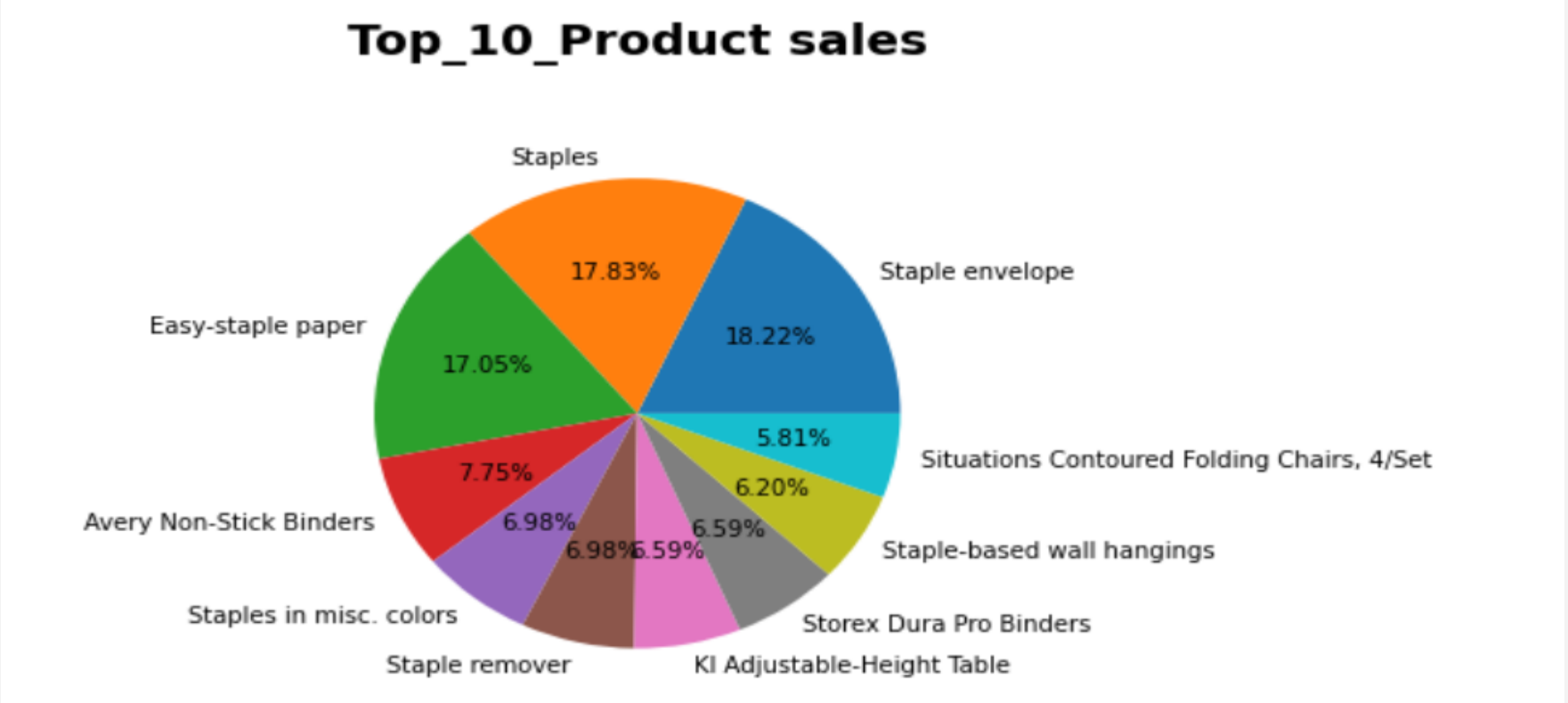
Monthly Year-to-Year observation of Sales Pattern.

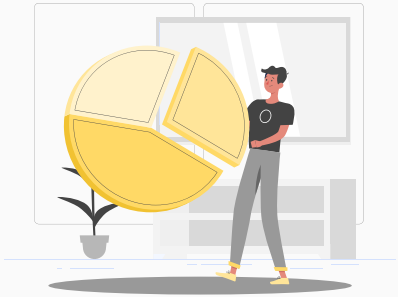
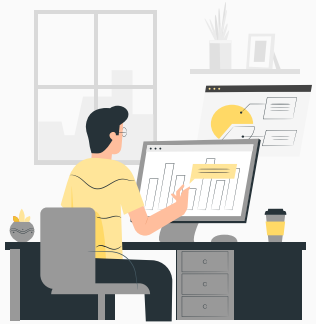
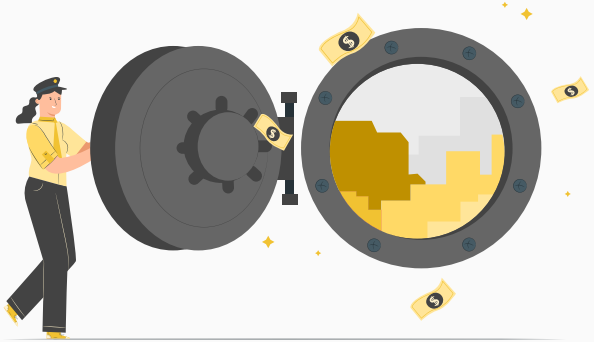


WHAT IS THE MOST PURCHASED CITY?



WHAT IS THE MOST PURCHASED PRODUCT?



THANKS

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