

Amazon Sales Data Analysis




By: Priyank Goswami





Week - 1



Project Title	Analyzing Amazon Sales Data
Technologies	Data Science
Domain	E-Commerce
Project Difficulties Level	Advanced

Dataset : [Download Dataset](#)

A large, thick, orange swoosh that starts on the left, curves upwards and to the right, and then curves back down and to the left, ending near the top right corner of the slide.

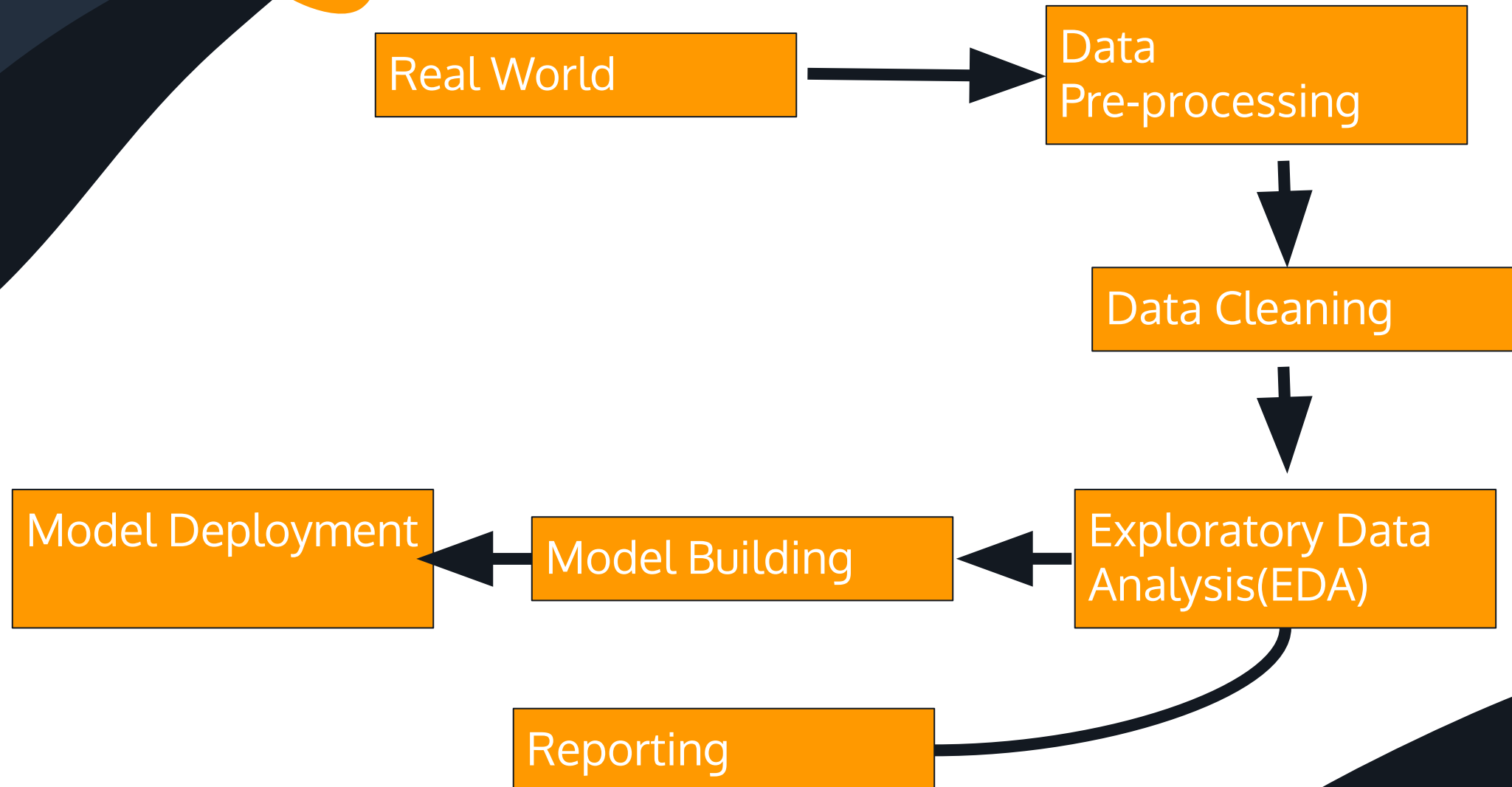
Problem Statement:

Sales management has gained importance to meet increasing competition and the need for improved methods of distribution to reduce cost and to increase profits. Sales management today is the most important function in a commercial and business enterprise.

Do ETL: Extract:

Transform-Load some Amazon dataset and find for me
Sales-trend -> month-wise, year-wise, yearly_month-wise
Find key metrics and factors and show the meaningful relationships between attributes. Do your own research and come up with your findings.

Architecture





Architecture Description

1. **Raw Data Collection** : The Dataset Provided by CollegeRanker Platform.
2. **Data Pre-Processing** : Before building any model, it is crucial to perform data pre-processing to feed the correct data to the model to learn and predict. Model performance depends on the quality of data fed to the model to train.
3. **Data Cleaning** : is the process of fixing or removing incorrect, corrupted, incorrectly formatted, duplicate, or incomplete data within a dataset.



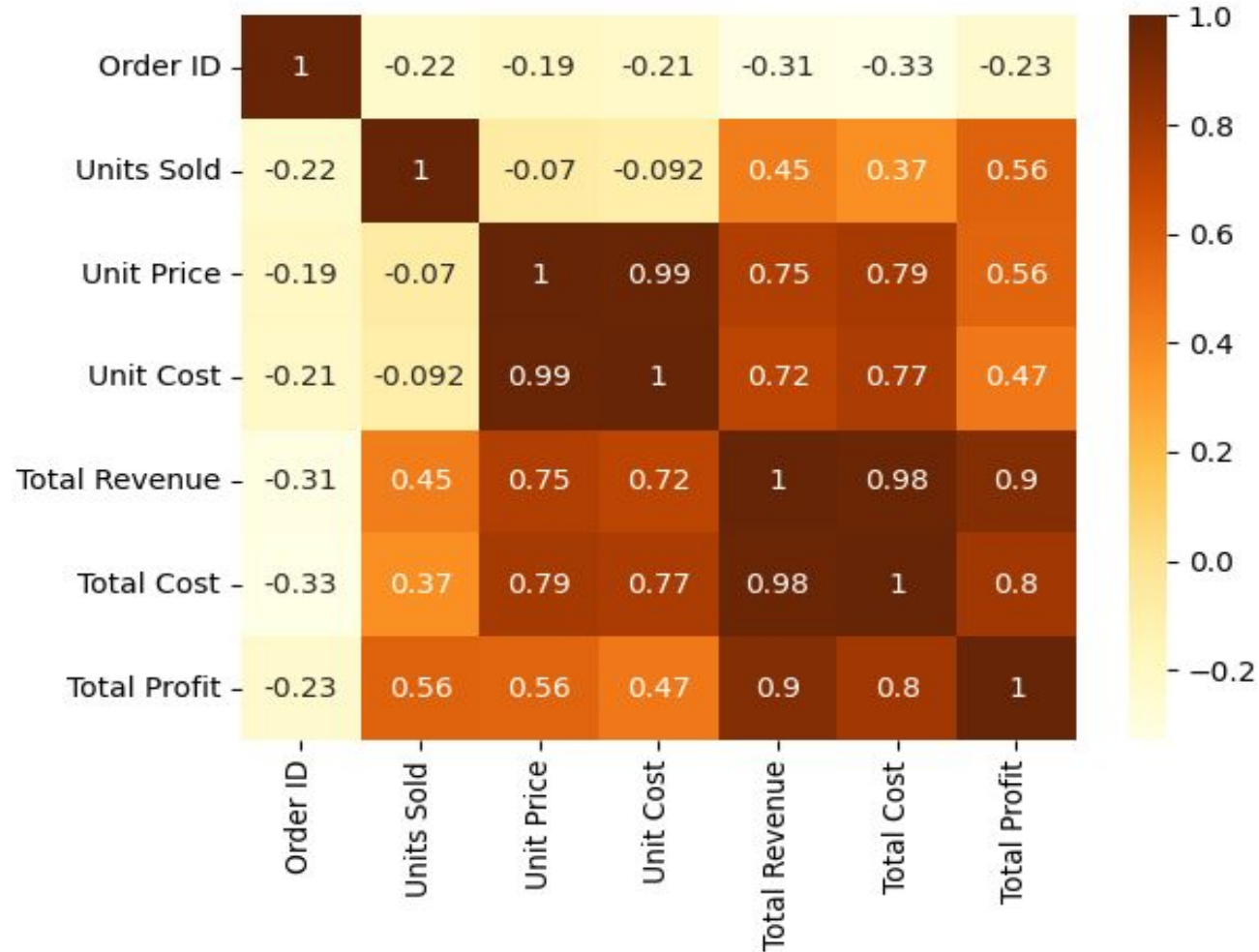
4. Exploratory Data Analysis (EDA) : refers to analyze and investigate data sets and summarize their main characteristics, often employing data visualization methods.

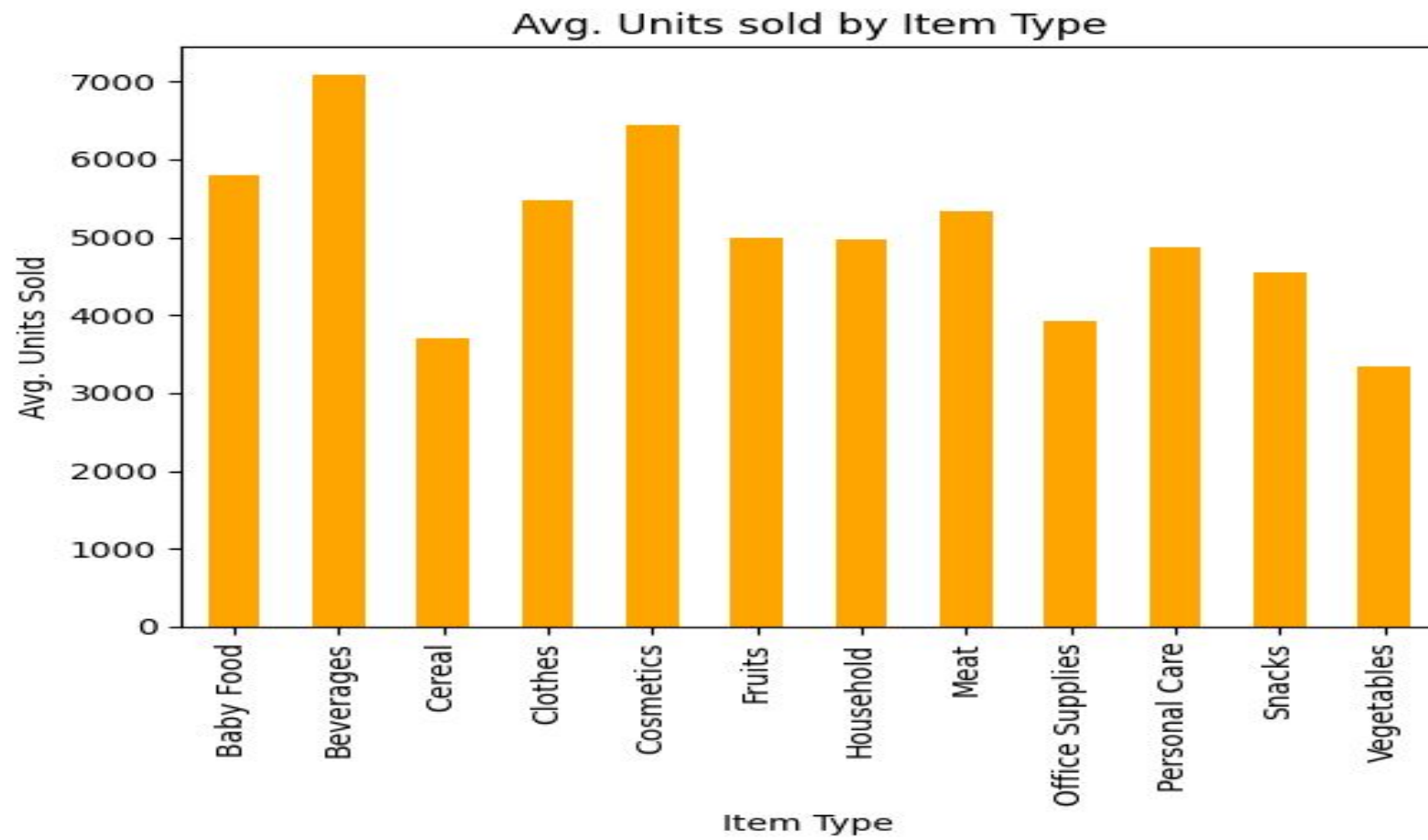
5. Reporting : is the process of collecting and formatting raw data and translating it into a digestible format to assess the ongoing performance of your organization. Your data reports can answer basic questions about the state of your business.

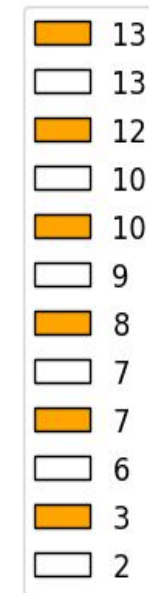
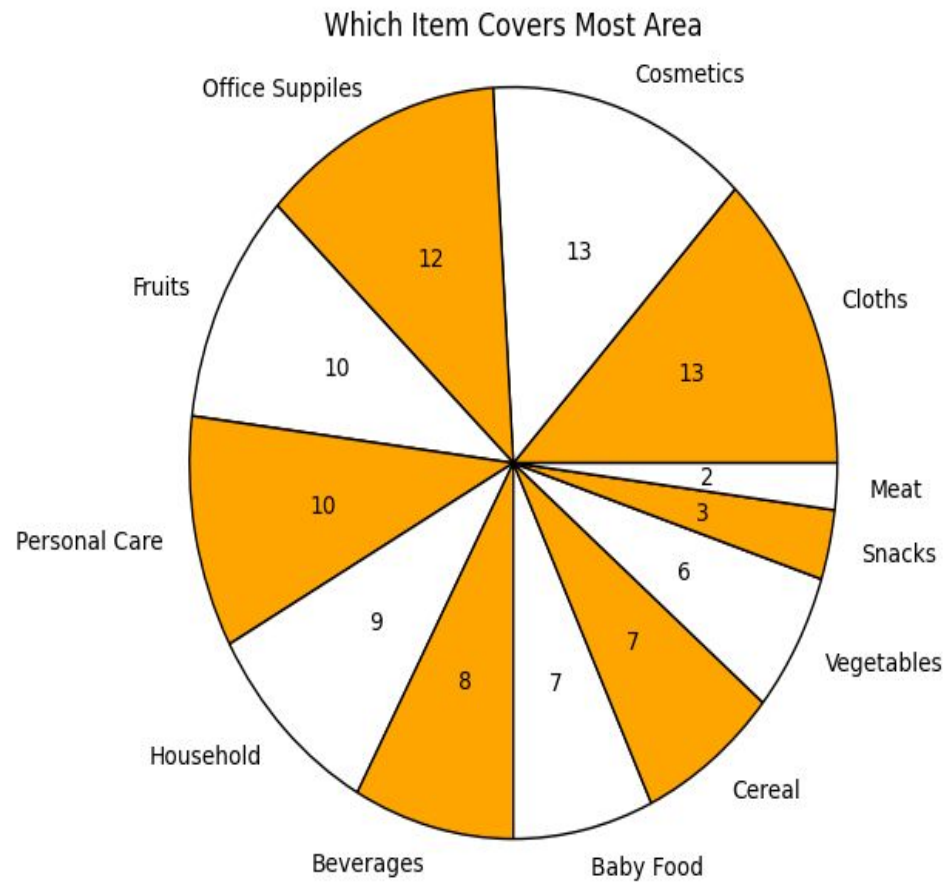
6. Dashboard : create using **PowerBi Or Tableau.**

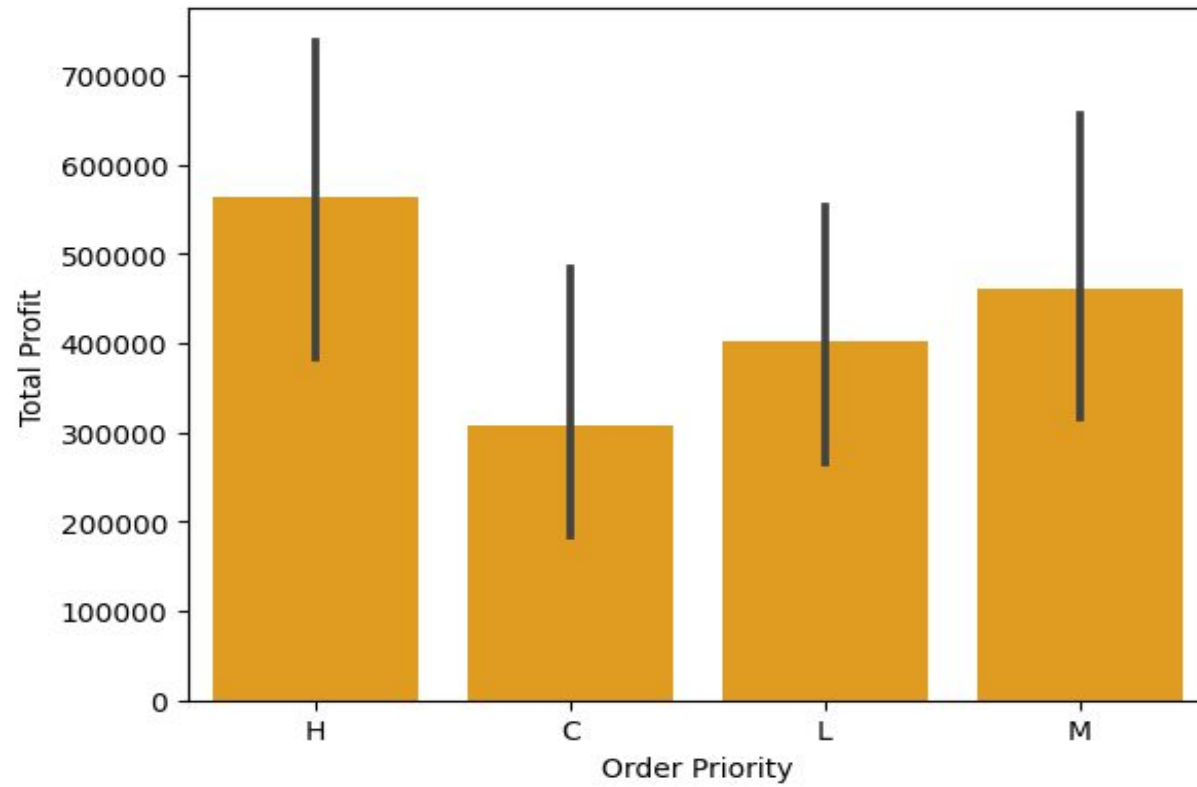


Python Graphs

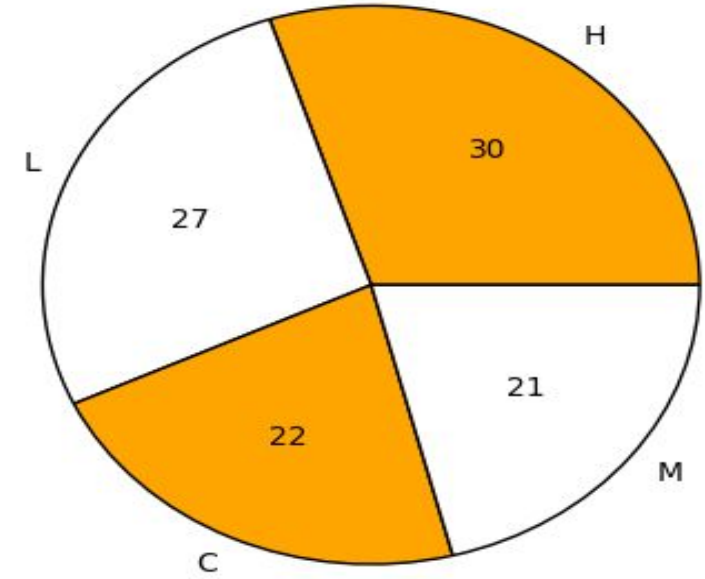


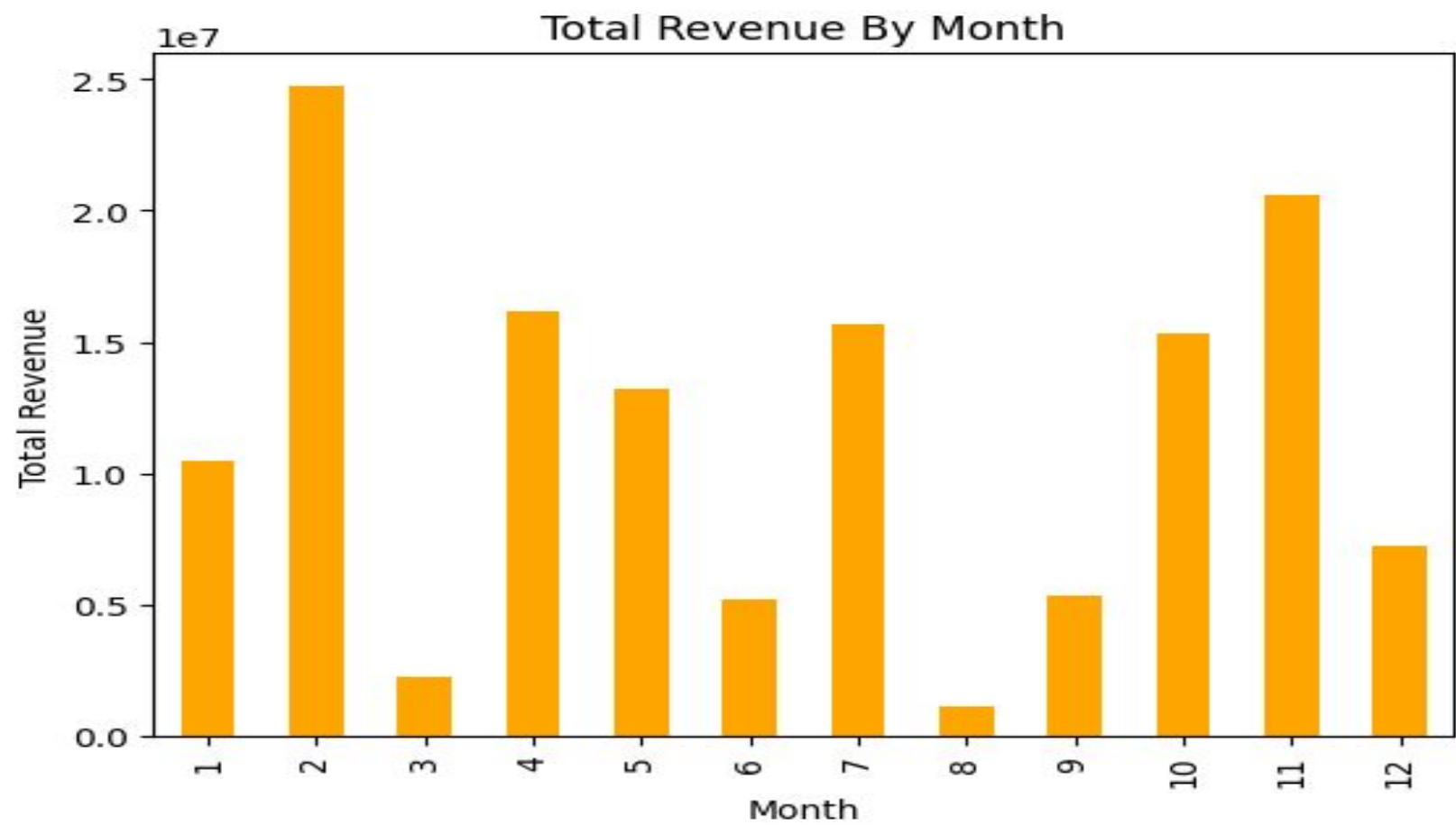


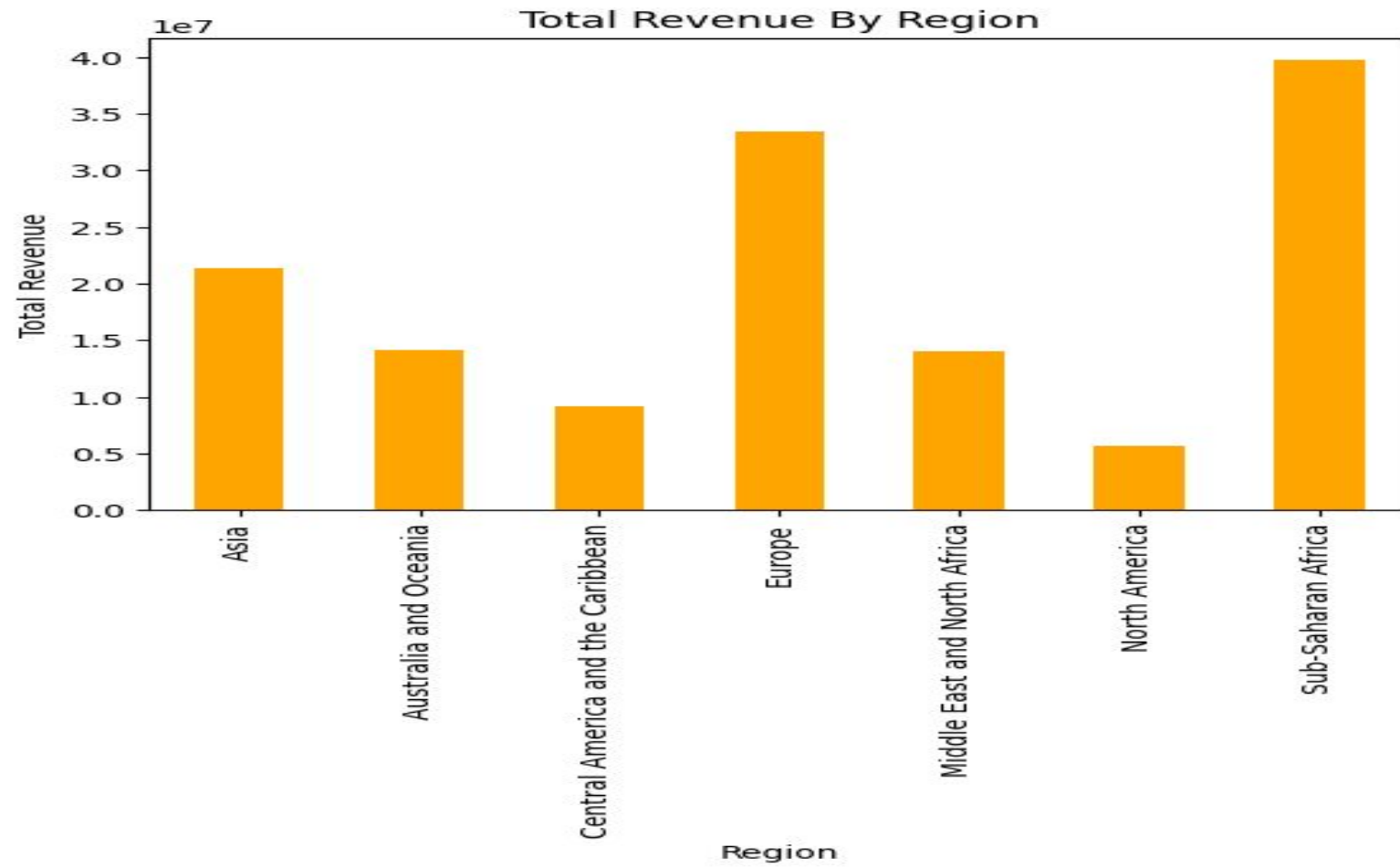


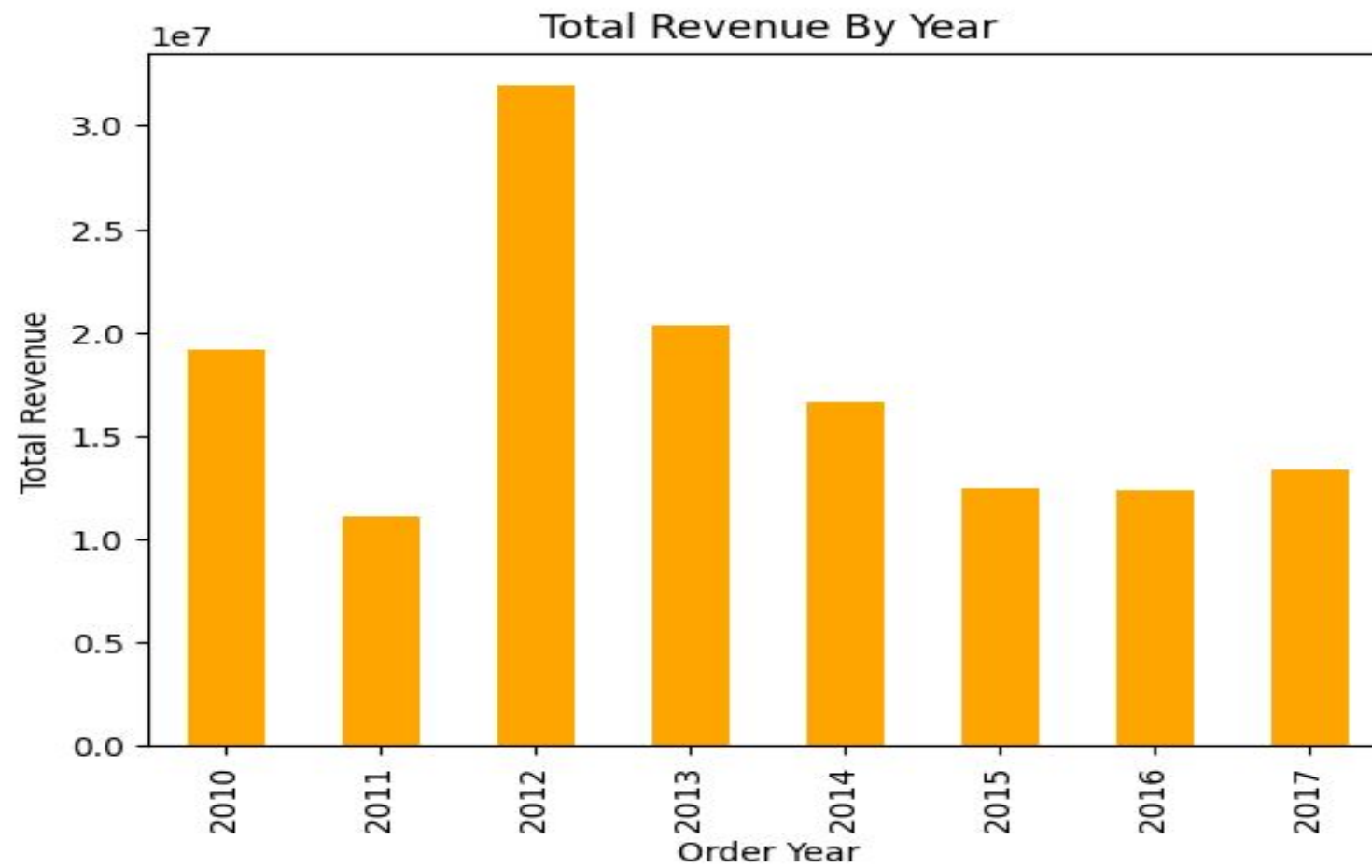


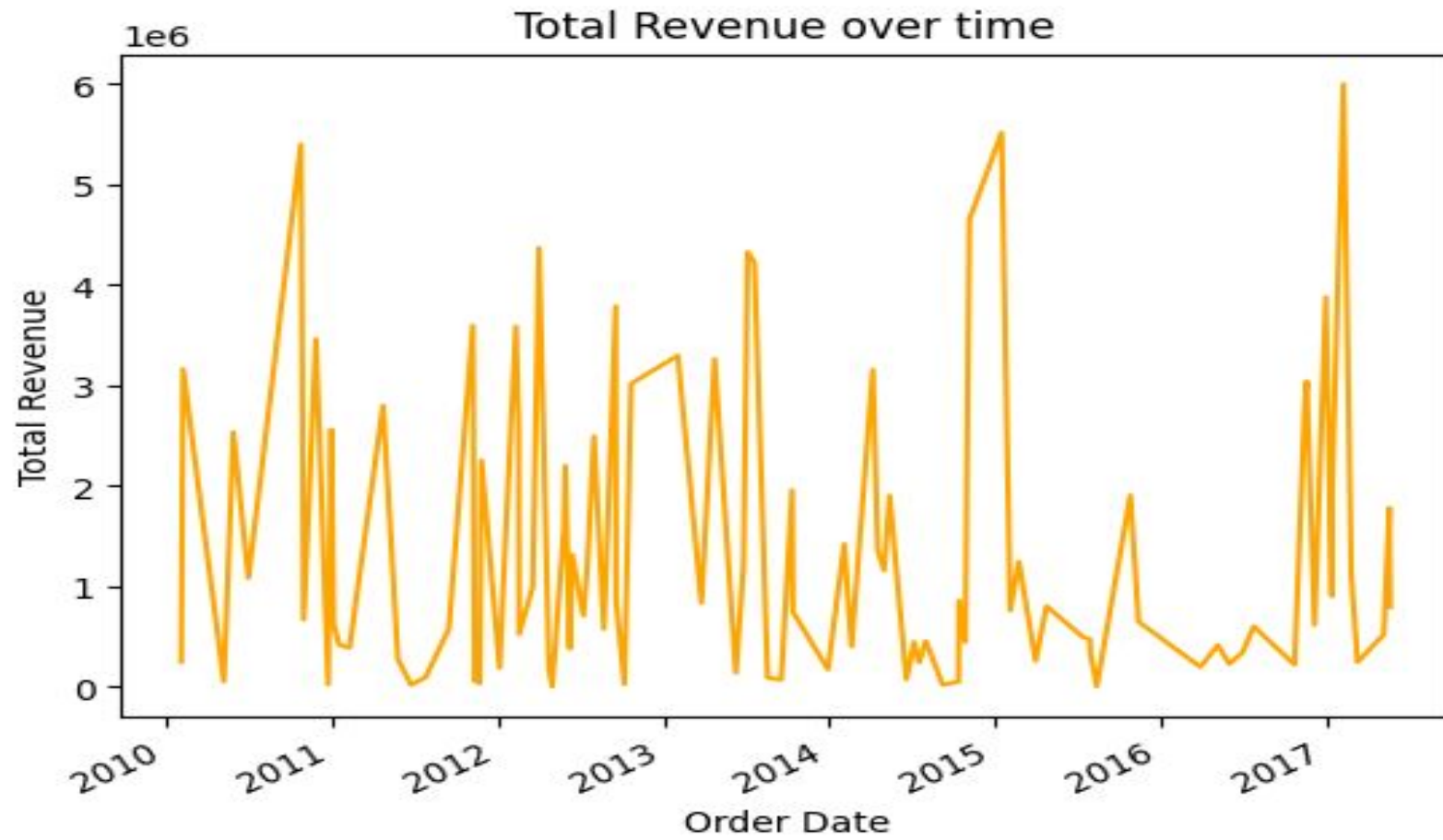
Order Priority

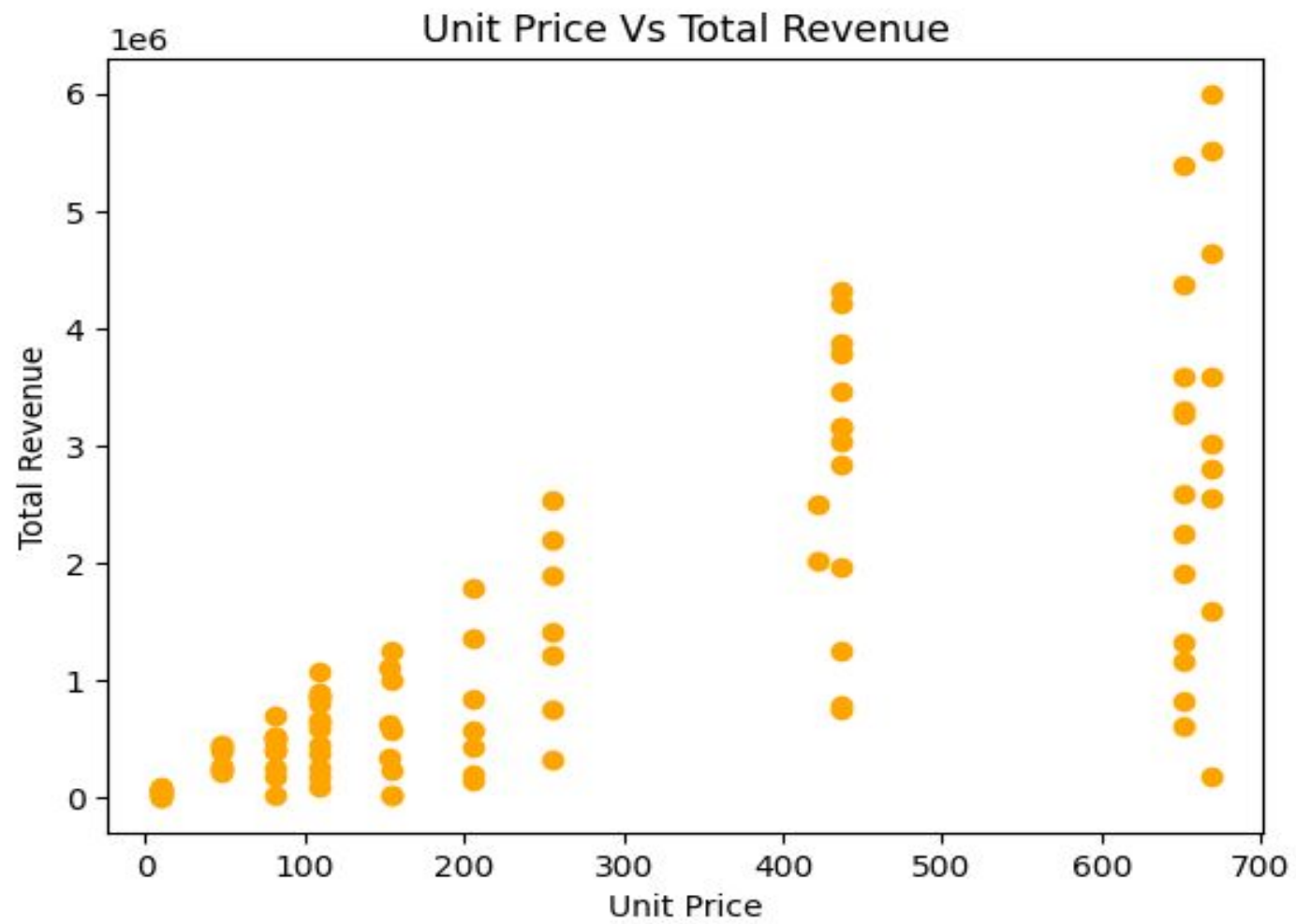










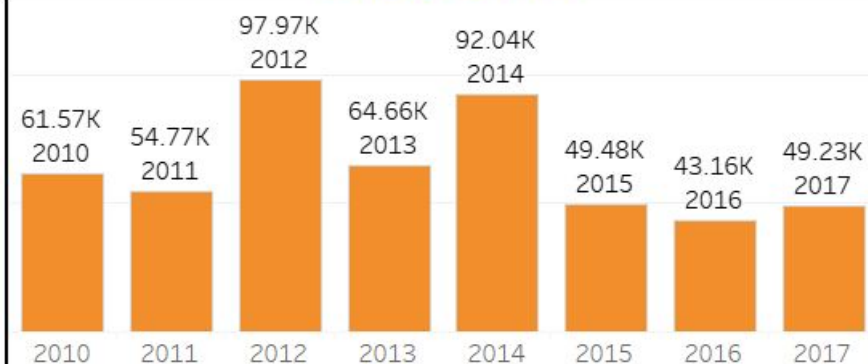




Week - 2

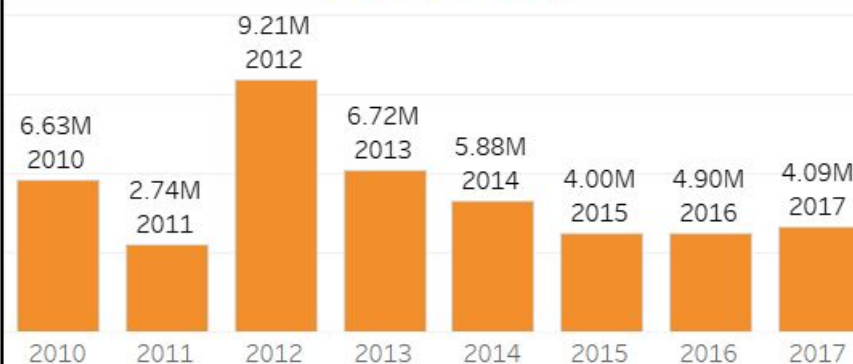
Total Units Sold

512.87K



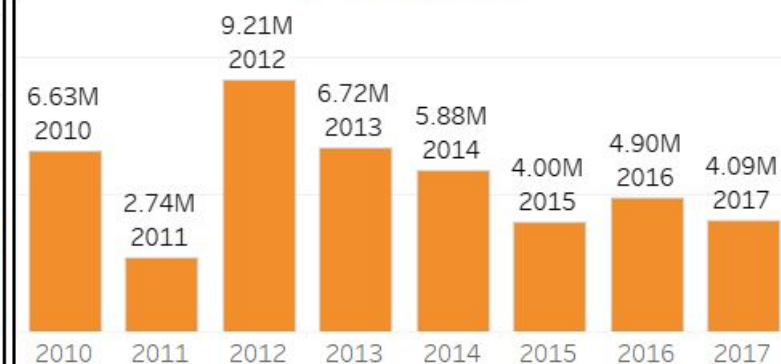
Total Revenue

137.35M

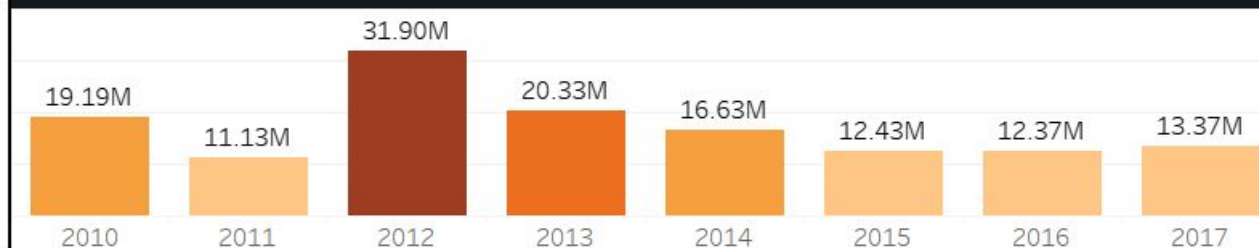


Total Profit

44.17M



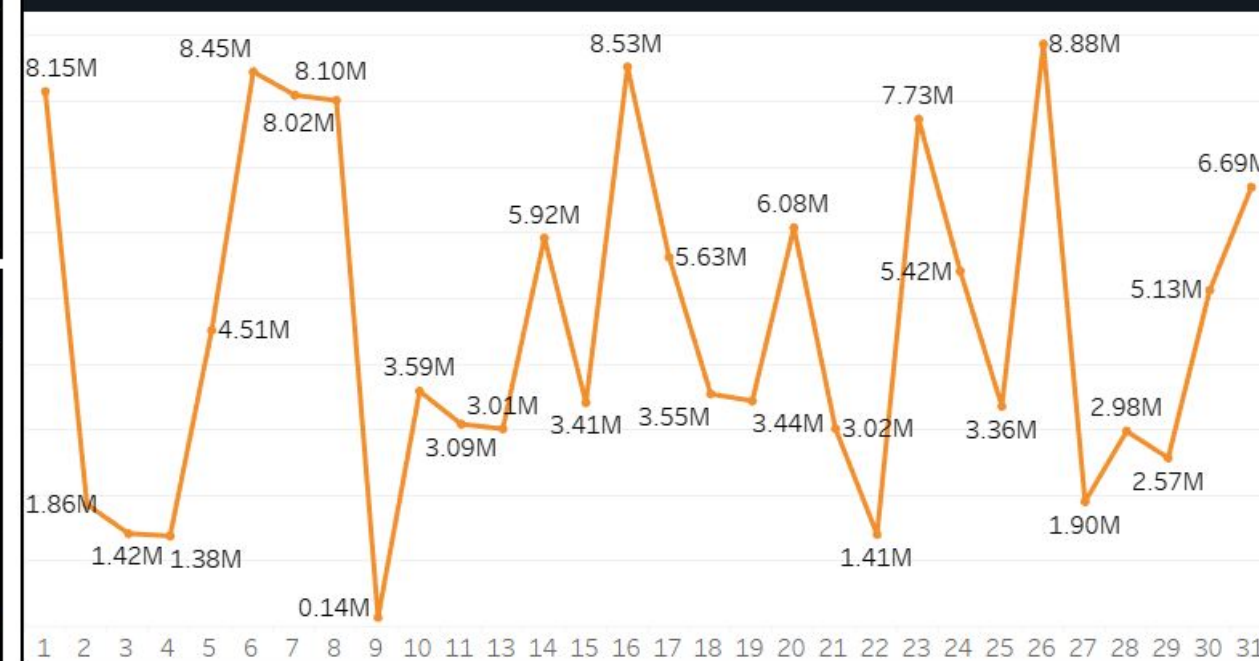
Total Revenue By Year



Total Revenue By Month

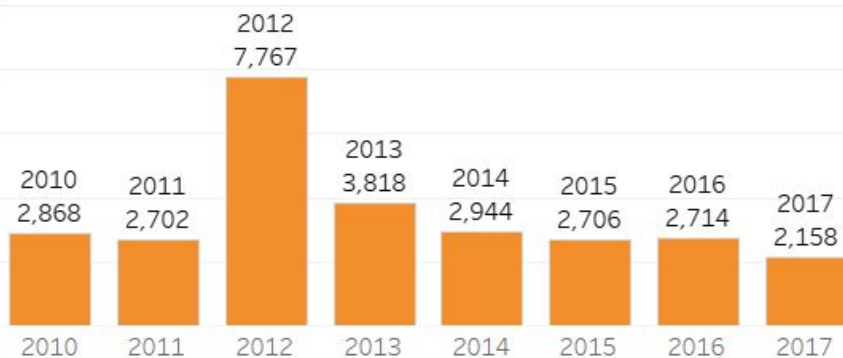


Total Revenue Over Time



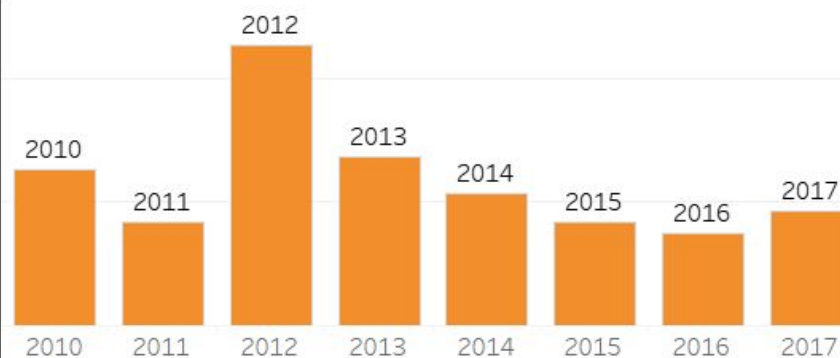
Unit Price

27.68K



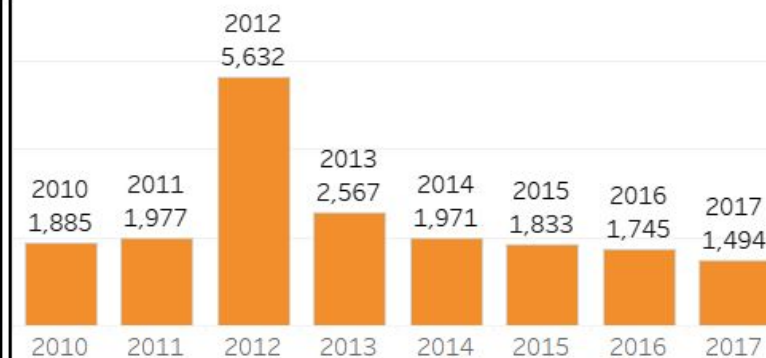
Total Cost

93.18M

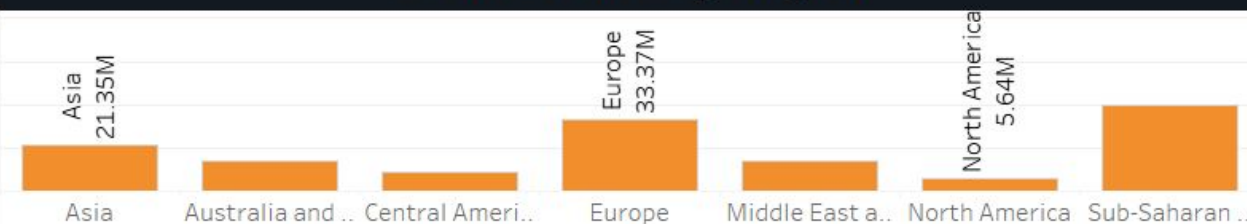


Unit Cost

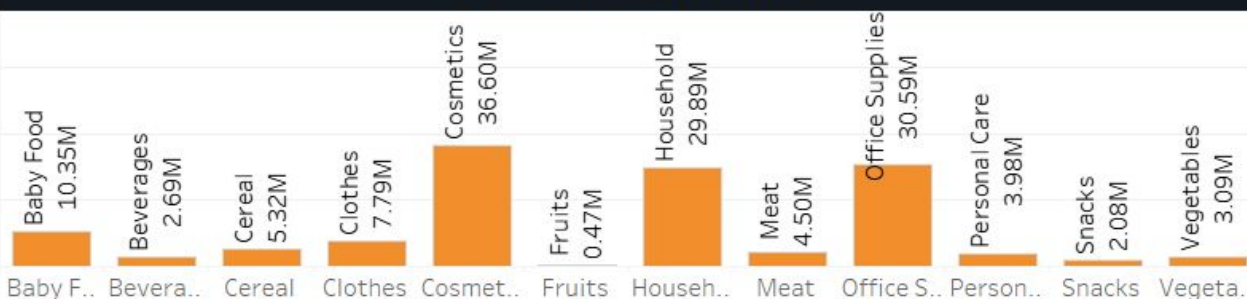
19.10K



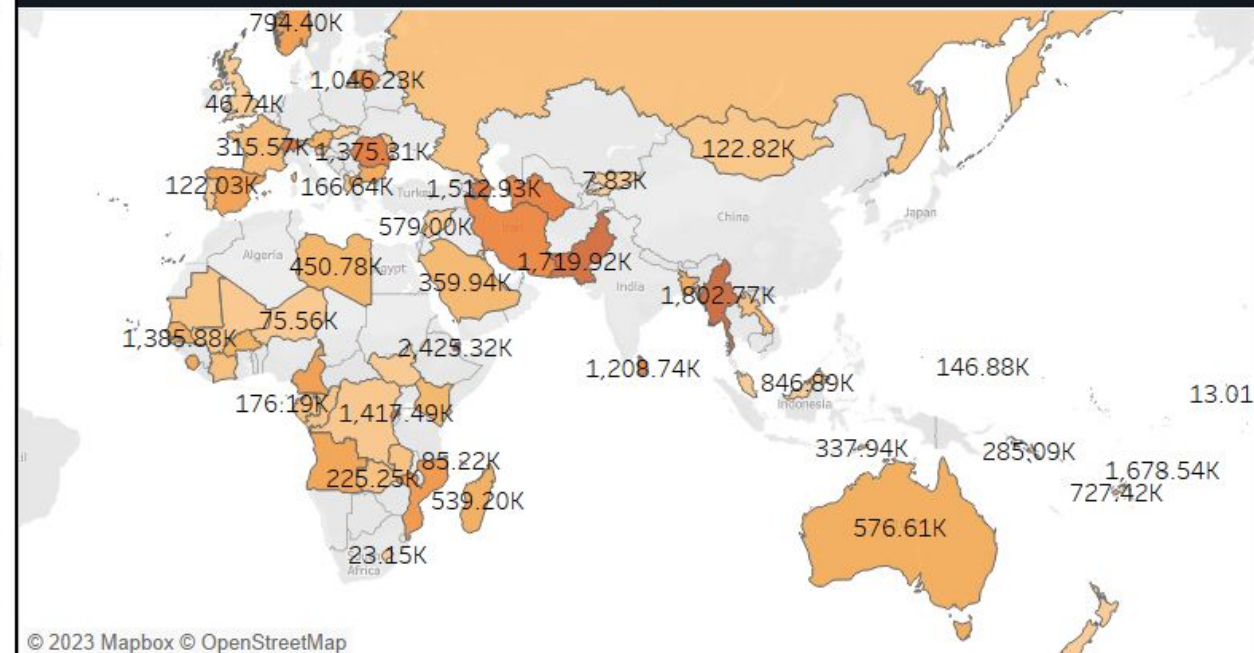
Total Revenue By Region



Revenue By Items



Total Profit By Country





Conclusion

we need to focus on 5 lowest profitable items to increase the profit for distribution and for reduce cost of the items we need to open more warehouses. These will help us to improve the method of distribution and also reduce cost.



Thank You



Python Notebook : [Click Here](#)

Tableau Dashboard : [click Here](#)






Foreign Direct Investment

By: Priyank Goswami



Week - 3



Project Title	Analyzing Amazon Sales Data
Technologies	Data Science
Domain	Finance
Project Difficulties Level	Intermediate

Dataset : [Download Dataset](#)

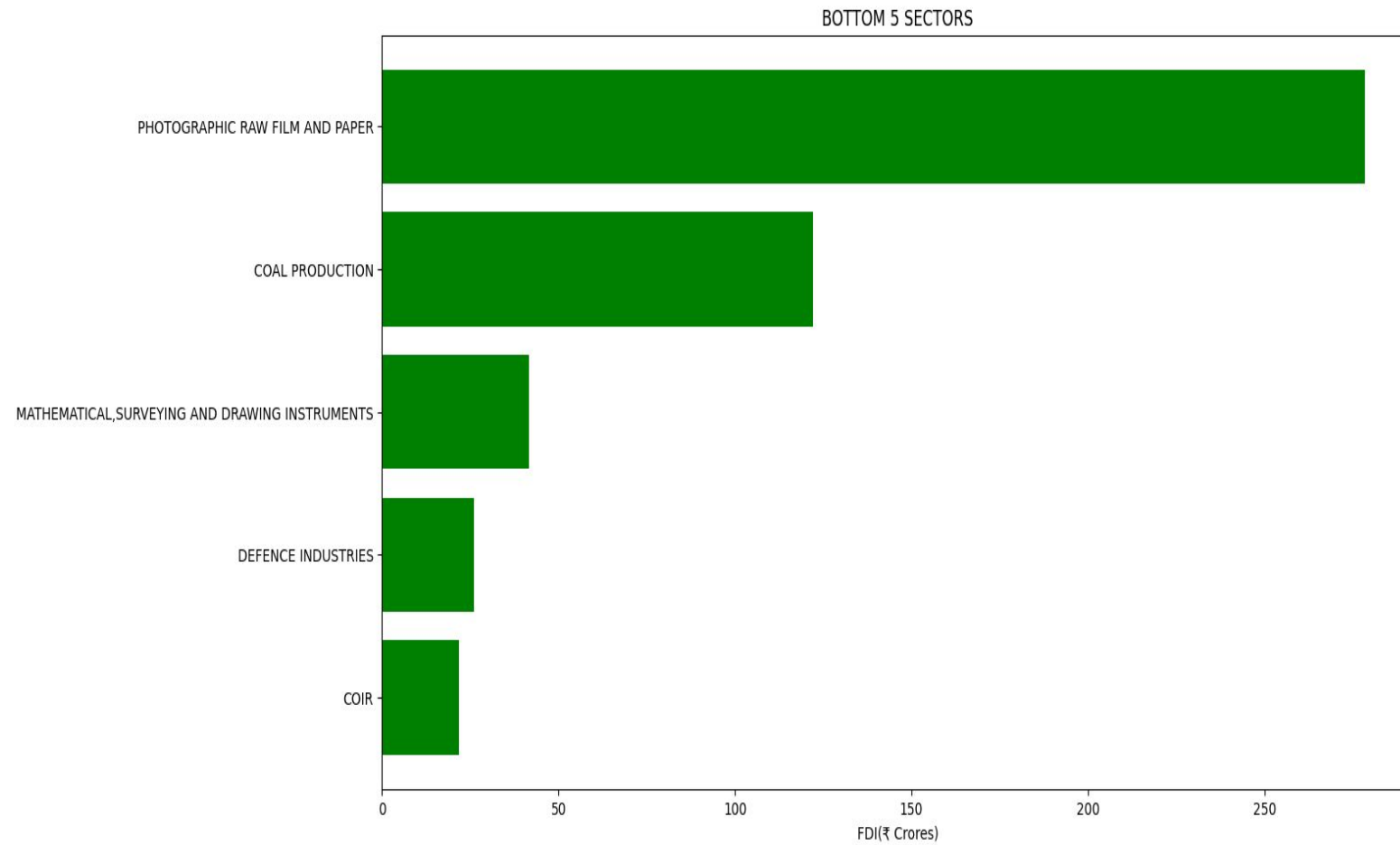


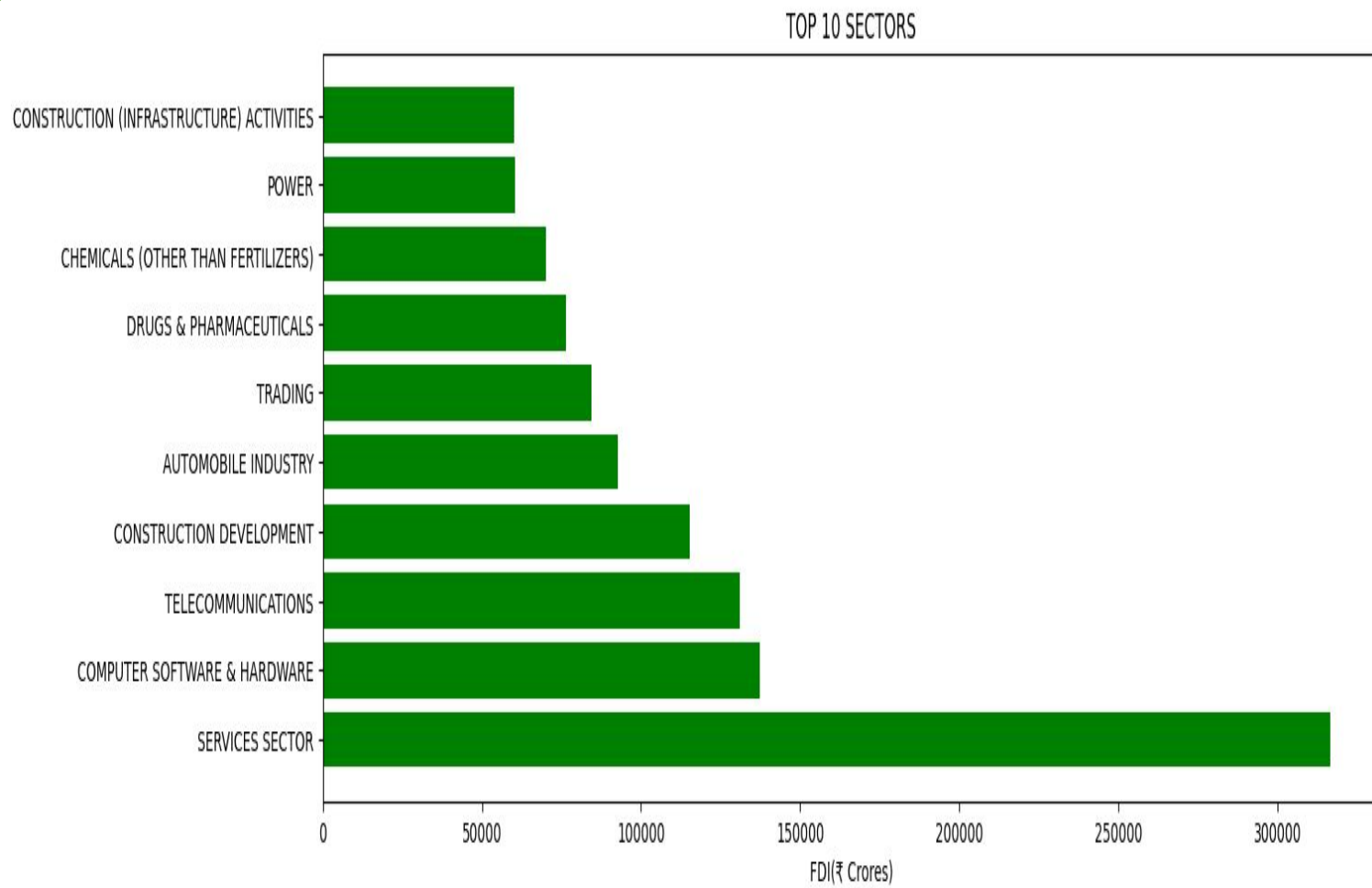
Problem Statement:

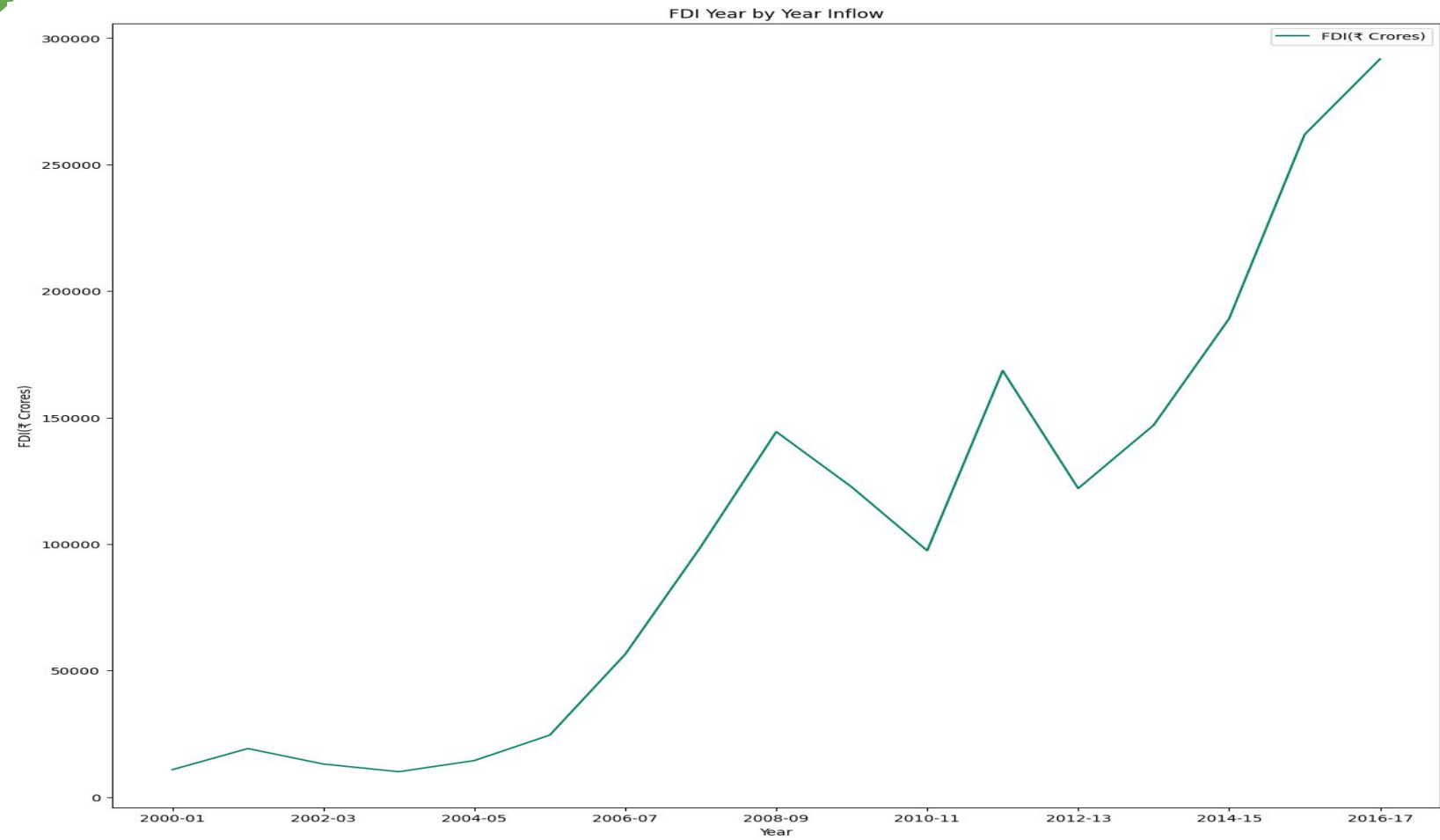
Investment is a game of understanding historic data of investment objects under different events but it is still a game of chances to minimize the risk we apply analytics to find the equilibrium investment.

To understand the Foreign direct investment in India for the last 17 years from 2000-01 to 2016-17. This dataset contains sector and financial year-wise data of FDI in India Sector-wise investment analysis Year-wise investment analysis.

Find key metrics and factors and show the meaningful relationships between attributes. Do your own research and come up with your findings







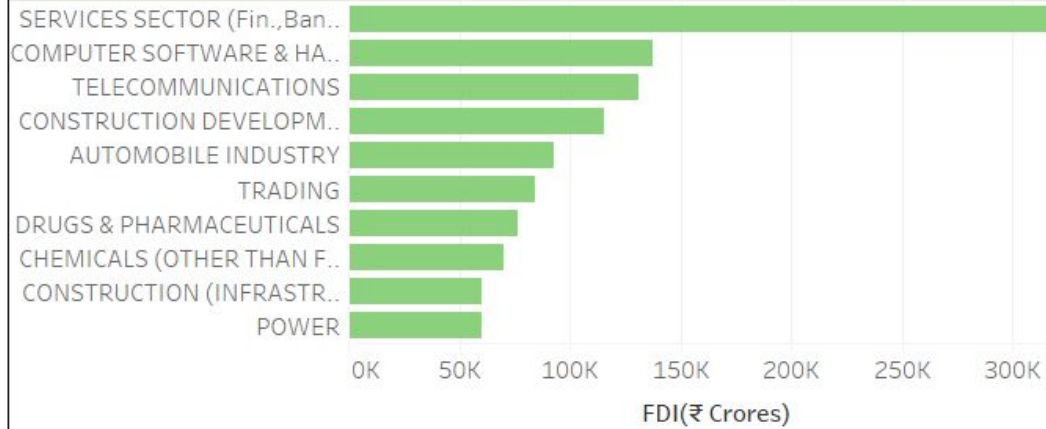


Week - 4

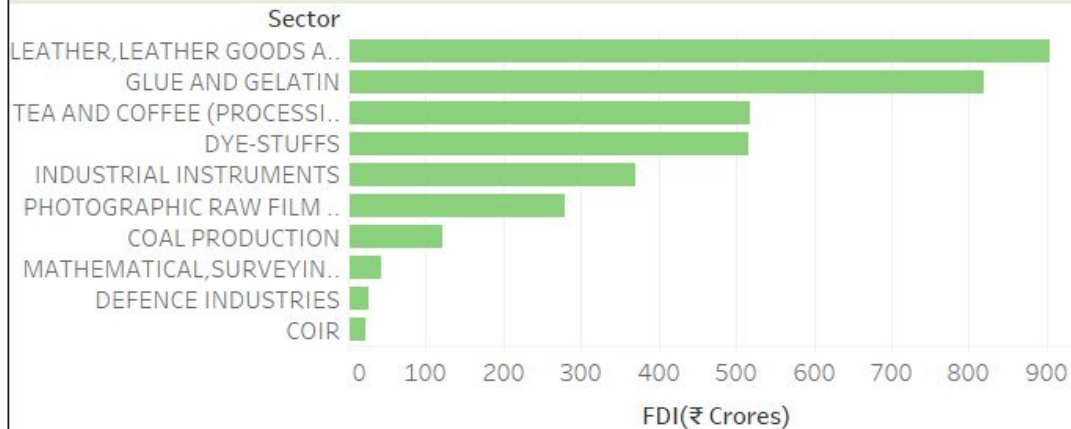


FDI Inflows: A Sectoral Analysis of Emerging and Developed Economies

Sector Wise Highest FDI Inflows



Sector Wise Lowest FDI Inflows



Amount in Crores ₹

₹1,792,348.29

Amount in Millions \$

\$331,990.99

Year wise FDI Inflows





Thank You

Python Notebook : [Click Here](#)

Tableau Dashboard : [click Here](#)

