Air Traffic Passenger Statistic

Sonali Umak

Problem Statement

- Air transportation is becoming more and more popular among the travelers who want to arrive at destinations quickly.

- The development of air transport activity worldwide has increased the demand of airport services and the need for more efficient processes of servicing visitors/passengers.

- To access how many passengers are seperated by international GEO region,Distribution of International geo region,how much is price,how many terminal,count passengers year wise and monthwise.

Descriptive Analysis

❖ Descriptive analysis summarize data and communicate information in an undestanable form.

❖ Distscriptive statistic uses tools like mean and standard deviation on a sample to summarize data.

❖ Through data visualization we get to know how the the idea about our passengers data.
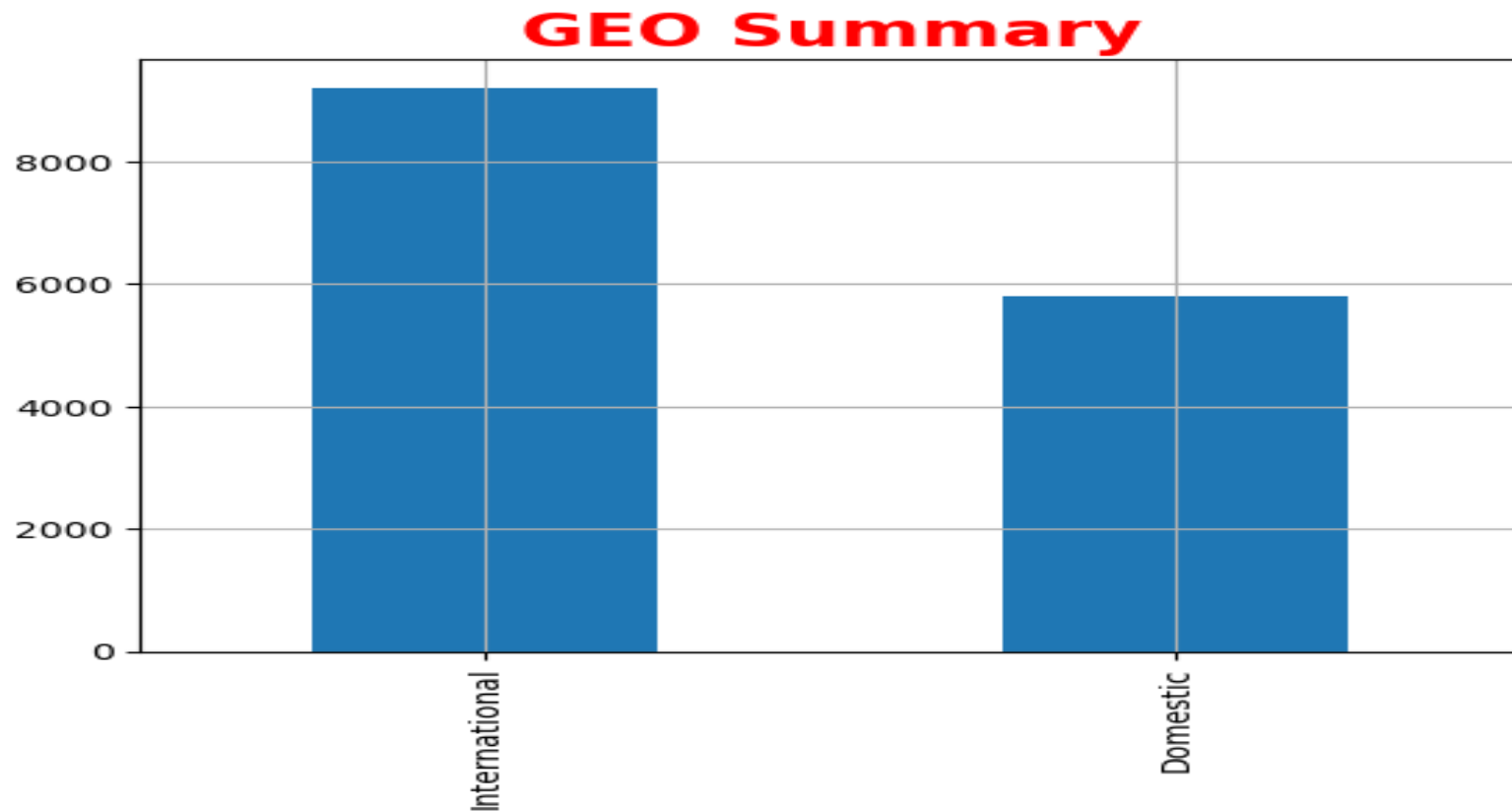
❖ It gives statistical valus of our data.

Proposed Solution

- To access how many passengers are seperated by intrnational GEO region,

- Distribution of International GEO region/summary (Internation or Domestic) with respect to passengers

- To access how much is price.

- How many terminal

- Count passengers year wise and monthwise.

- Count how many passengers are deplaned,enplaned and transit through.
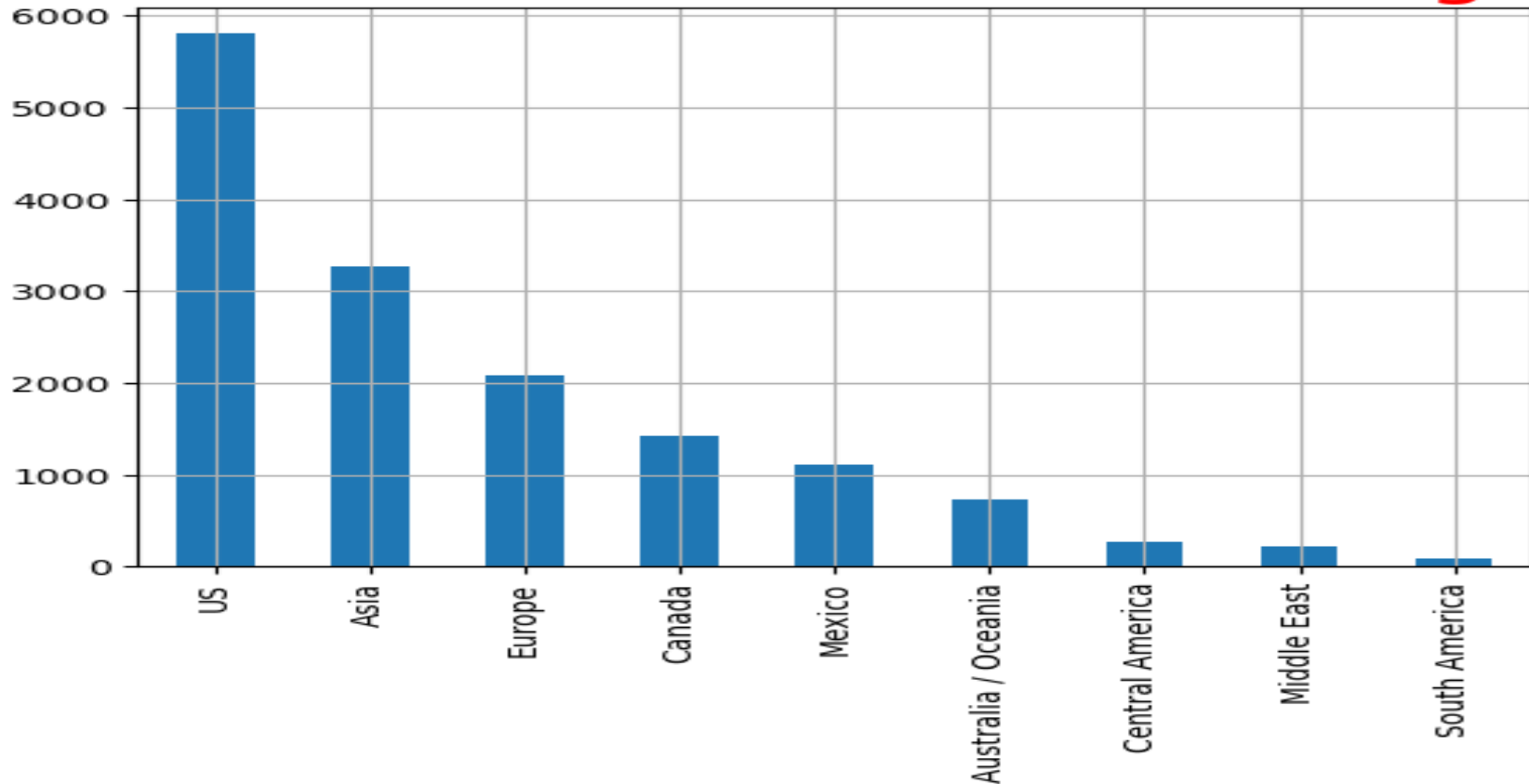
Effect of Data Preprocessing

❑ Data Preprocessing is a very important for the accuracy of the model.

❑ Data contains noise,missing values,it is incomplete and sometimes it is an unusable format which cannot be directly used for machine learning models.

❑ By cleaning the dataset we create the data that we want to study.

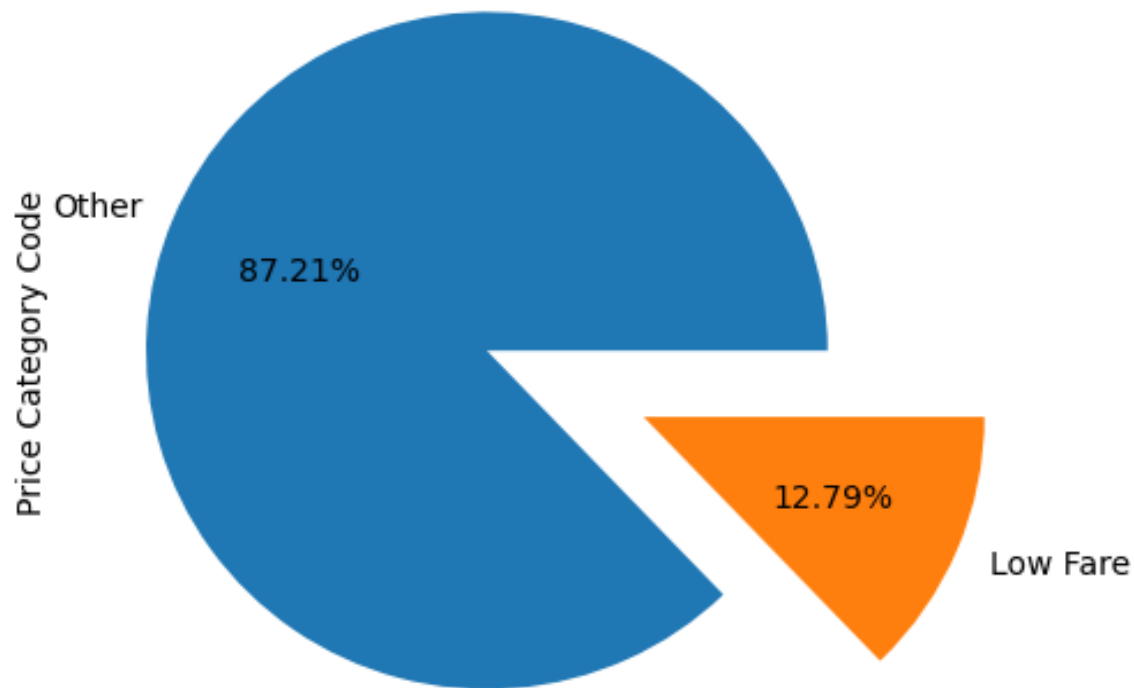❑ By using dataset we can make it easy to deal with it.
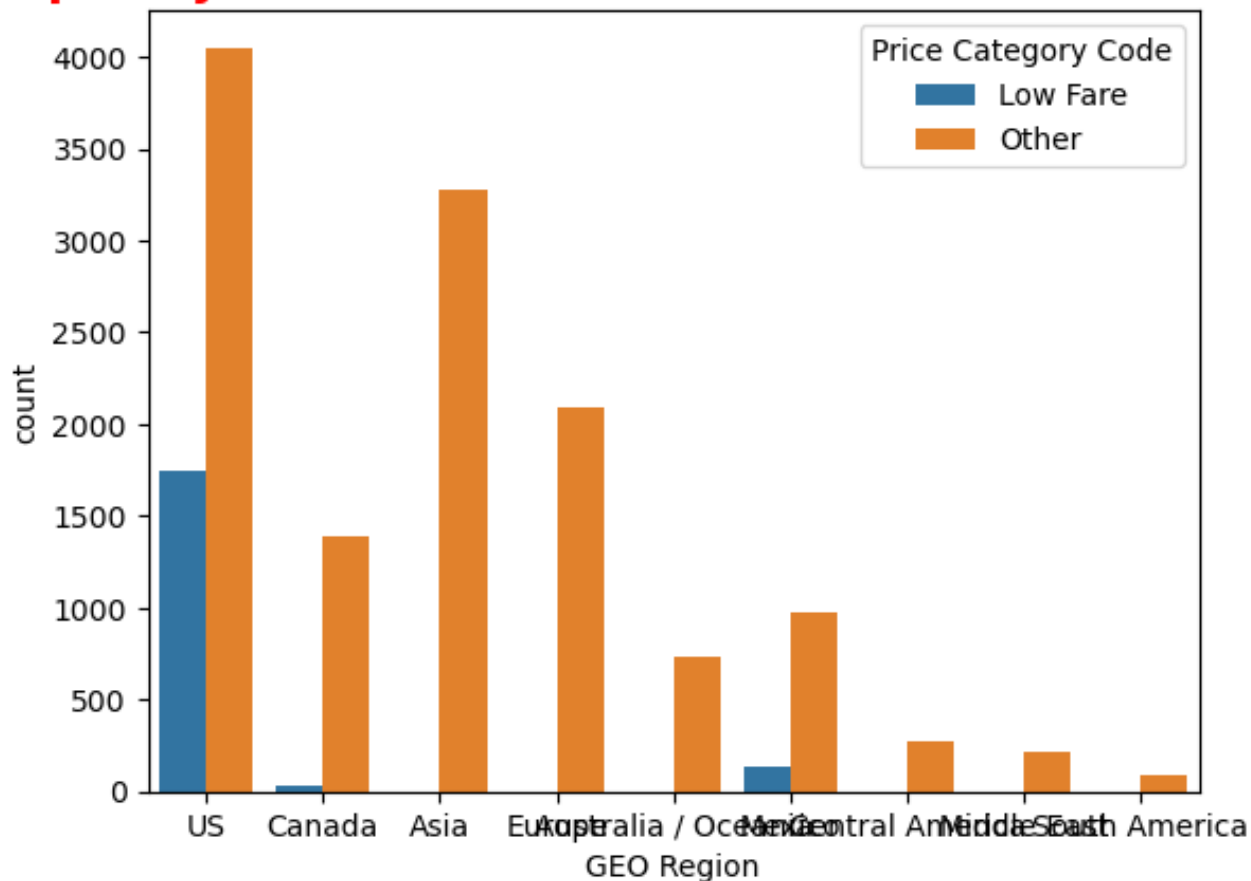
Data visulization

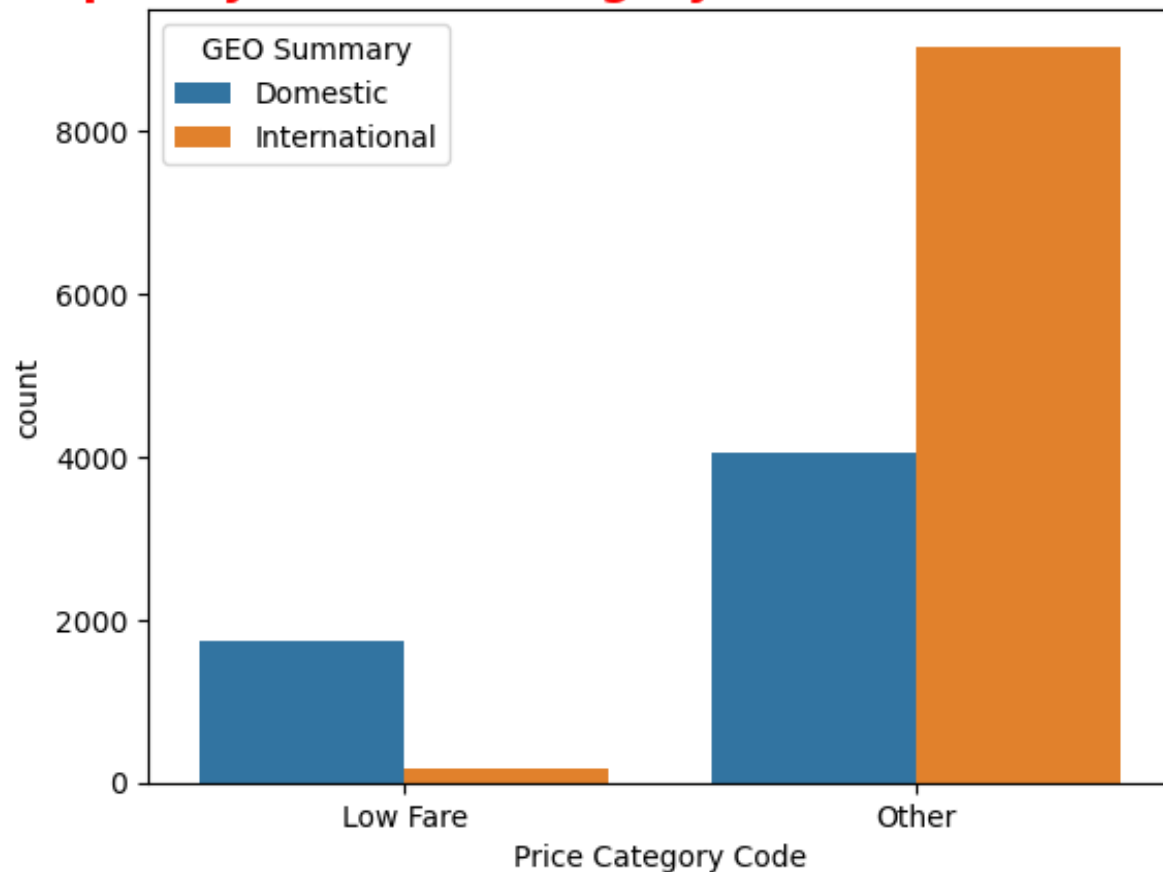# Data visulization

Distribution of International Region

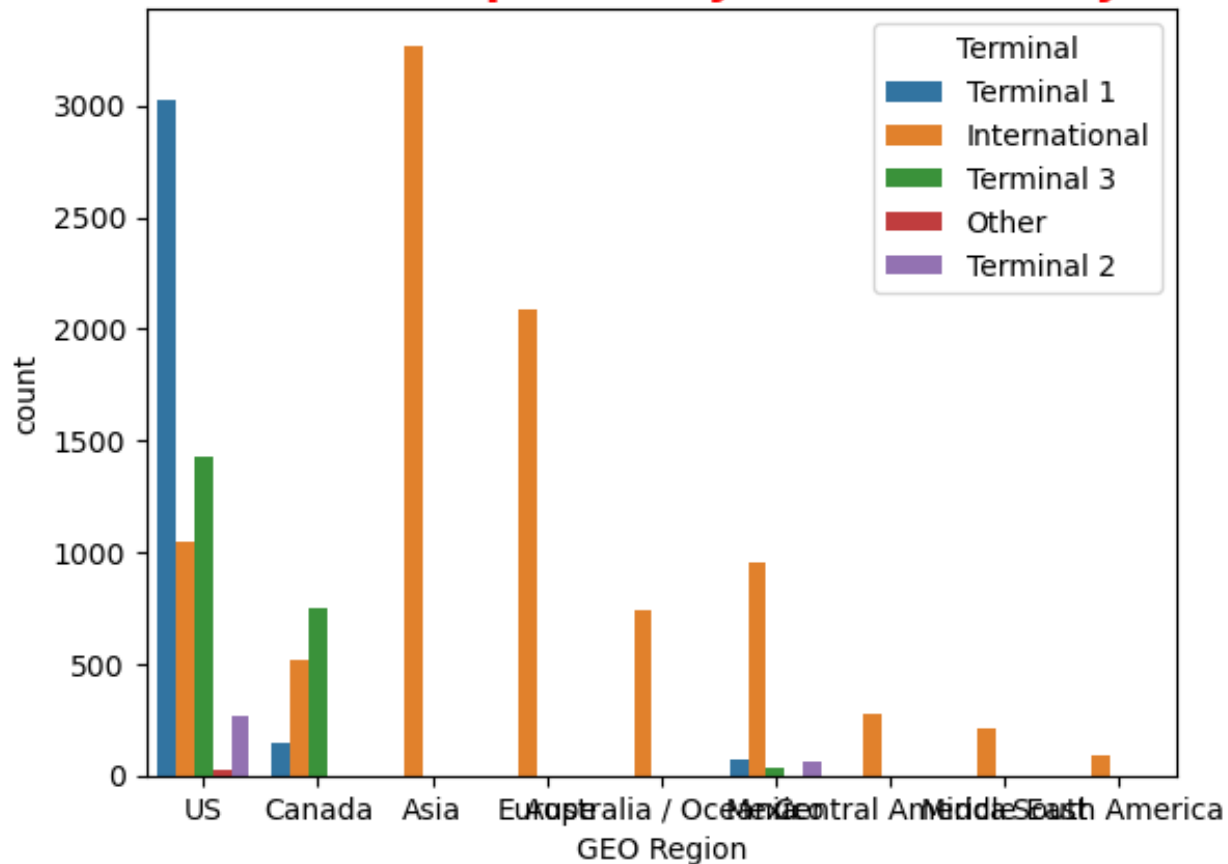# Frequency of Price Category Code

Frequency of Price Codes for International GEO Region
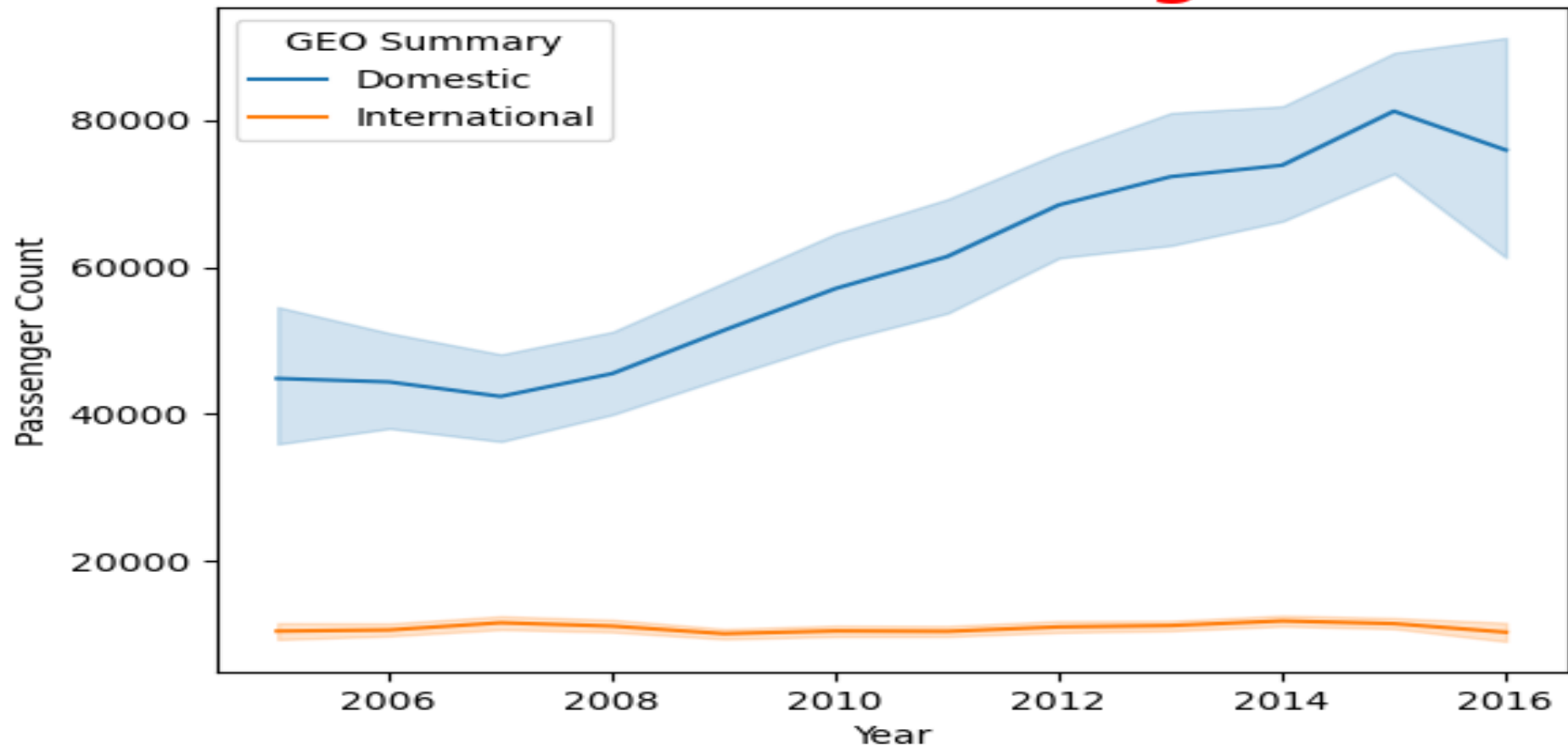
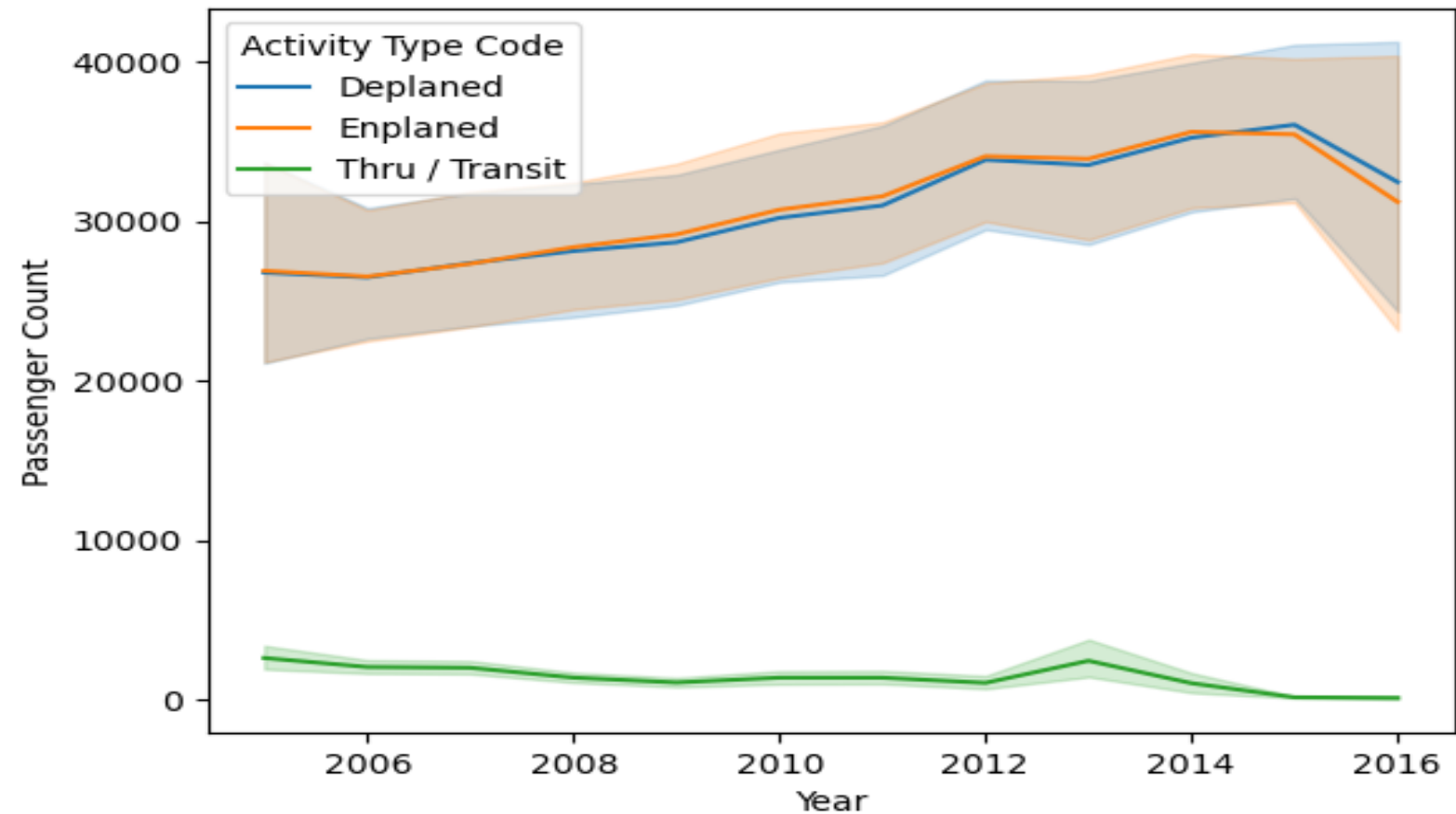# Frequency of Price Category Code for GEO Summary
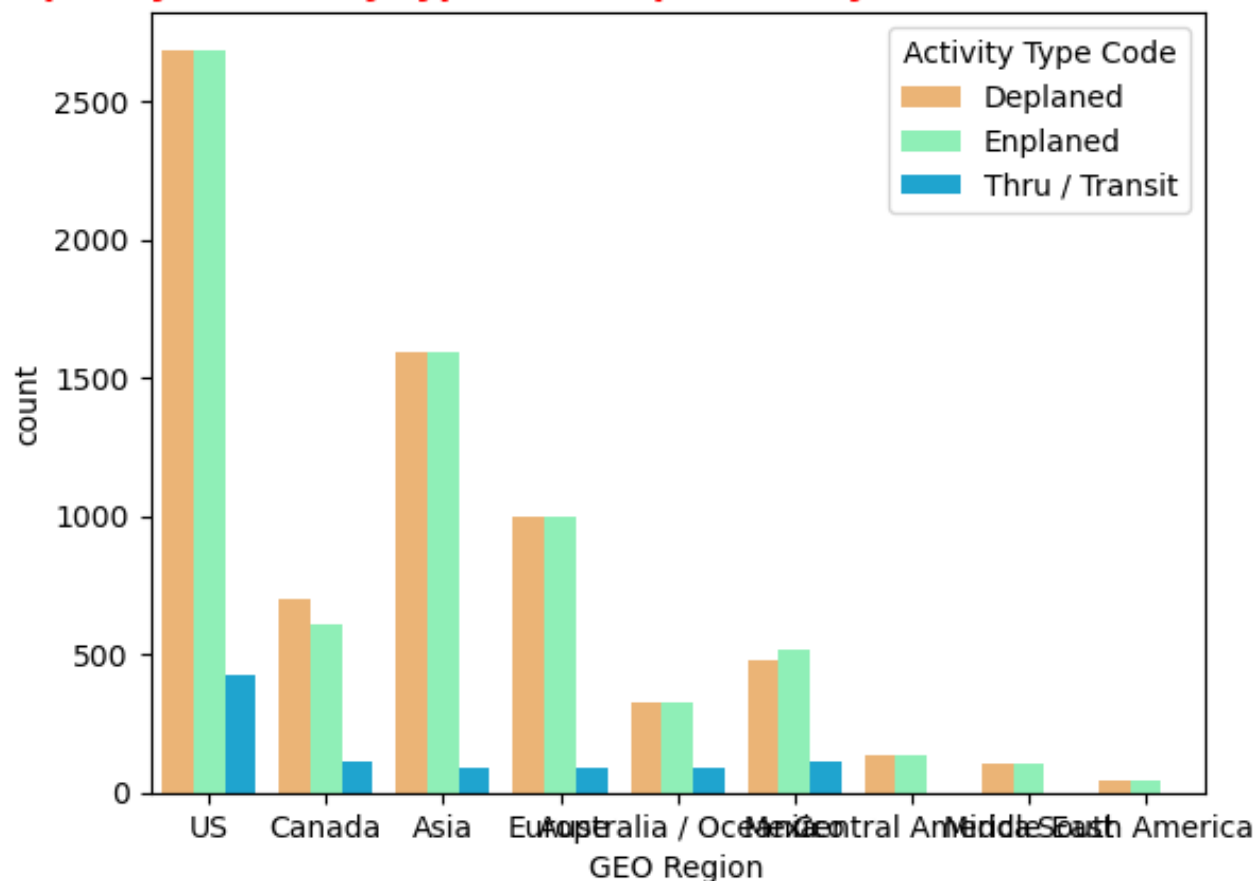
Termnal Seperatd by GEO Summary
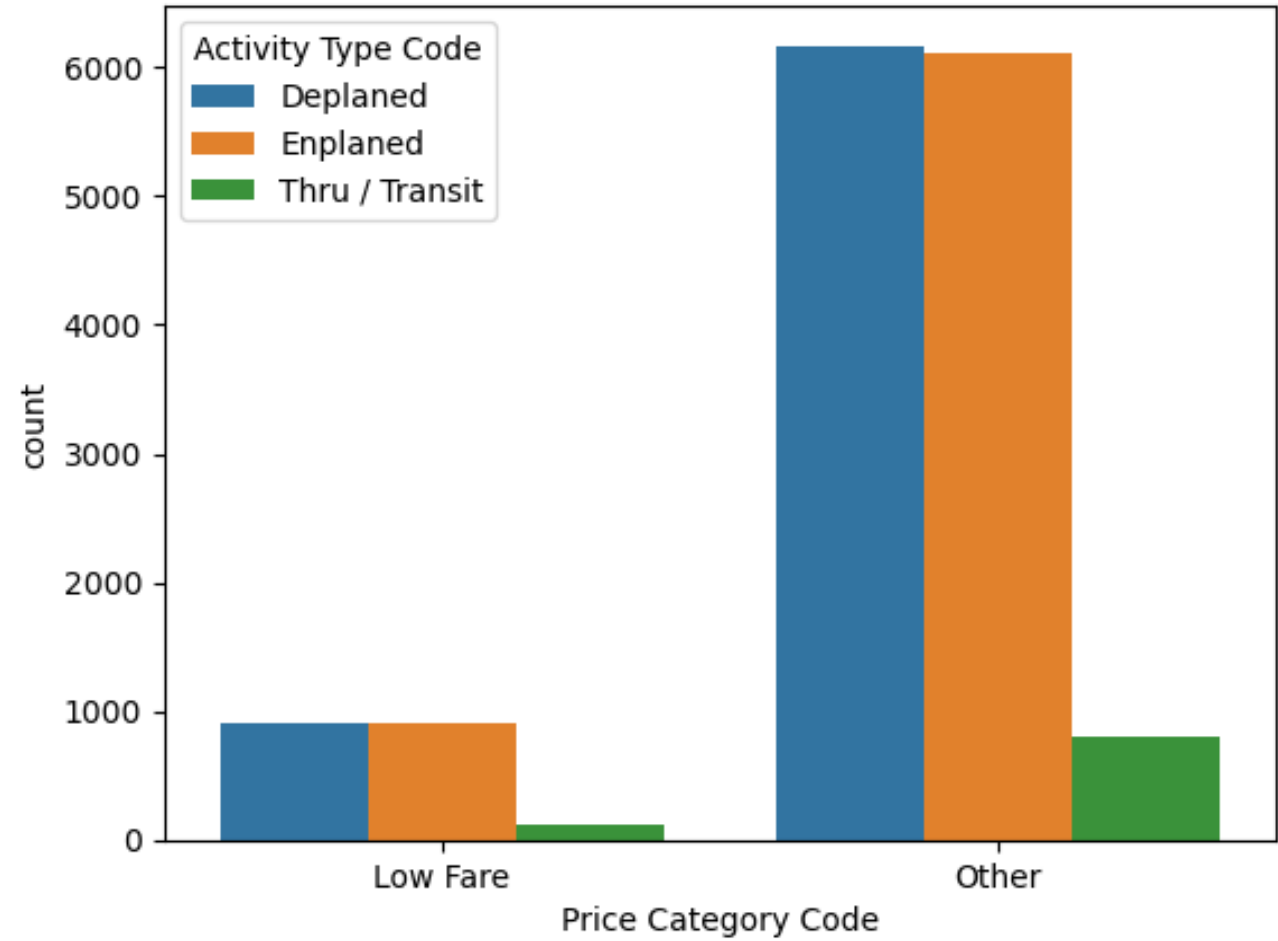
Time Series of Passenger Count

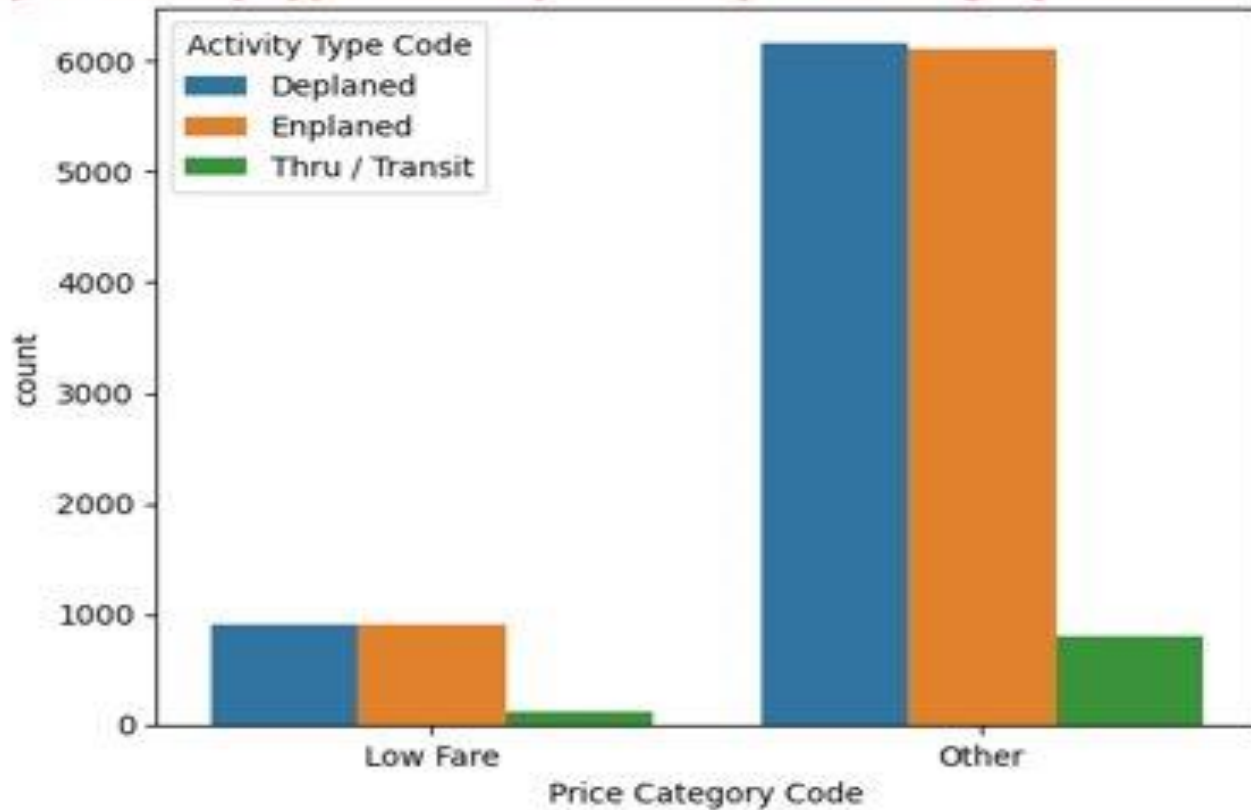Time Series of domestic passenger count seperated by activity type code

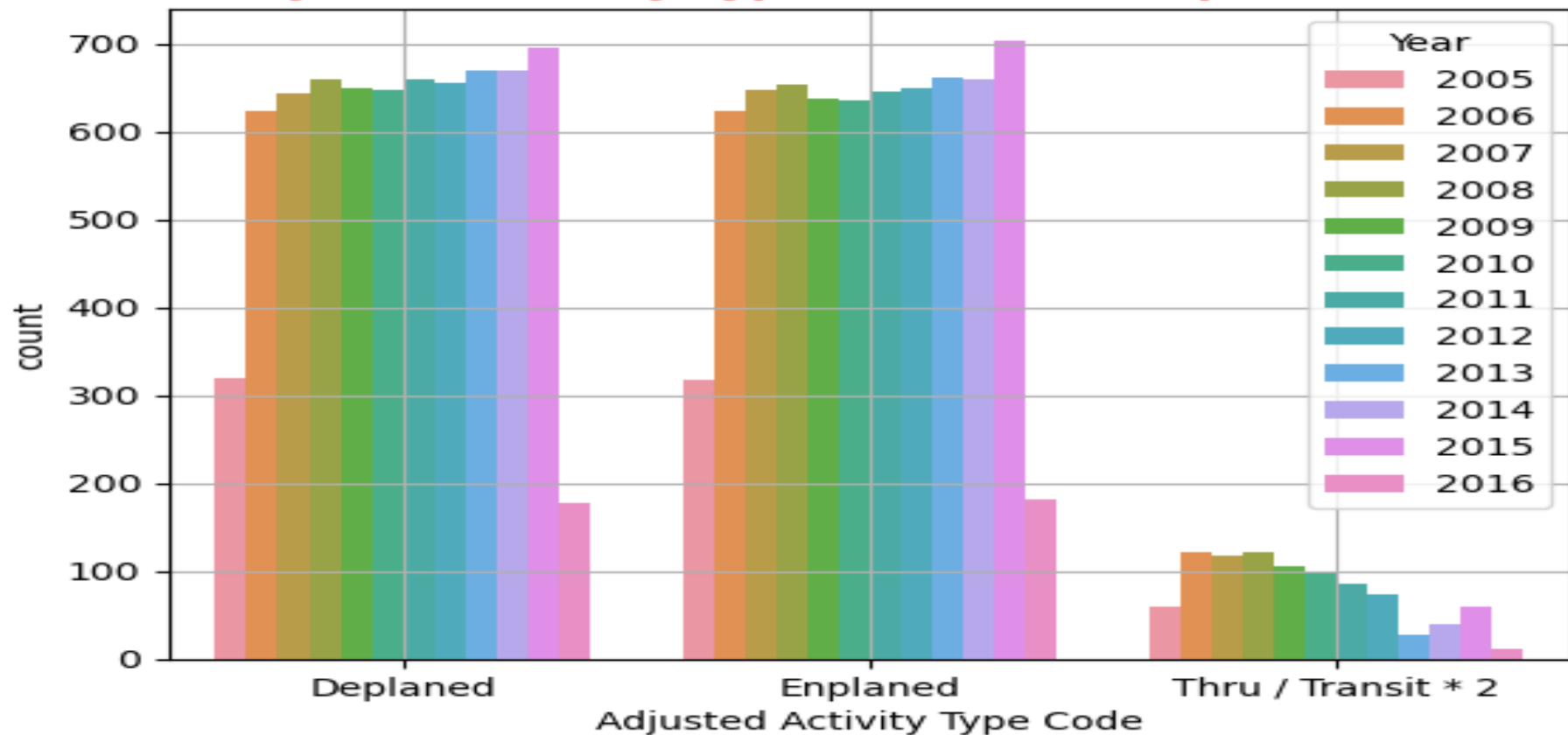# Frequency of activity type code seperated by International GEO Region

Frequency of activity type code seperated by Price Ctegory Code for International flights

Frequency of activity type code seperated by Price Ctegory Code for Domestic flights

Adjusted Activity Type Code with respect to Year

Optimization

➢ Through the use of data visualization we come to know that how many passengers travelled by flight.

➢ Also to get idea about the internaational passengers and domestic passengers.

Conclusion

- ✓ Throughout the graphical presentation we get the idea about all passengers data who travele by Flight.

- ✓ With the hepl of this graphical presentation we try to solve the passengers problem travel by Flight.