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Business Forecasting

Assignment 3

Data: https://www.kaggle.com/datasets/yyxian/u-s-airline-traffic-data

The data consists of monthly time series on US airline traffic from Jan 2003 to Sept 2023. It includes the following metrics:

- Domestic and international passengers
- Domestic and international flights
- Revenue passenger miles (RPM) for domestic and international travel
- Available seat miles (ASM) for domestic travel

Data Collection Methodology:

This data is collected and published by U.S. Department of Transportation's (DOT) Bureau of Transportation Statistics.

This is a Monthly data from January 2003 to September 2023 which consist of 250 rows and 17 columns.

Why does this data set intrigue you?

The data really showcases the value of this dataset, offering a rich perspective on U.S. airline traffic from 2003 to 2023. With such a long timeframe, we can take a closer look at the trends and shifts in the industry. By digging into metrics like passenger numbers, flight frequency, and revenue, researchers can uncover meaningful insights into how airlines operate and perform. This information is more than just stats; it's a crucial resource for anyone looking to understand the aviation world better and make smart decisions based on real trends. It's exciting to think about the stories this data can talk about the evolution of air travel over the years. In this dataset there are all the time series pattern that we studied during class.