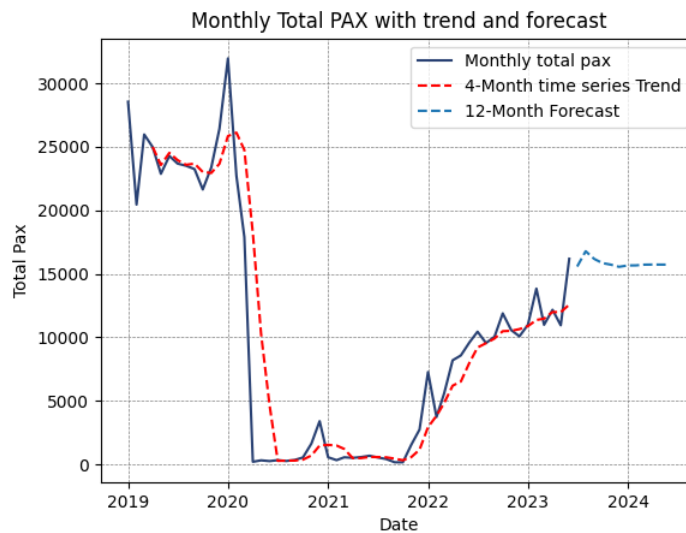# Report of flights from LAX

This report focuses on key performance metrics and trends on data which have potential impacts on flights from LAX . The report includes a variety of data, including the total number of passengers, average revenue, yield, and passenger of origin.

The first part of this report displays the total number of passenger passenger, average yield, total seats available, average revenue, average monthly passenger of origin, and average available seat kilometers. Each graph will include a time series trend modeled by ARIMA, which is an indicator of future growth for that particular dataset. It will also include a 12 month forecast based on previous data.
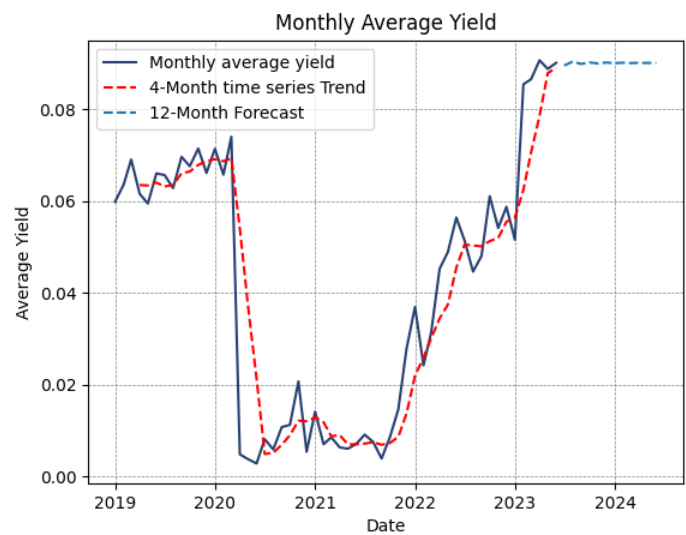
Please note that the trend and predictions in this graph is purely based on previous data, and may be inaccurate in the real world. Additionally, the accuracy of forecast will decrease with time, hence it is only suggested to use the first 3-4 month of the forecast.

This graph shows the total passengers traveled per month in this route. The highest number of passenger per month is 31954.618855735807, which happened in 2020-01. The lowest number of passenger per month is 163.0038, which happened in 2021-10 As of 2023-06-01 00:00:00, the total monthly passenger is 16185.6934. There is a general upward trend according to the trend present in total passengers.
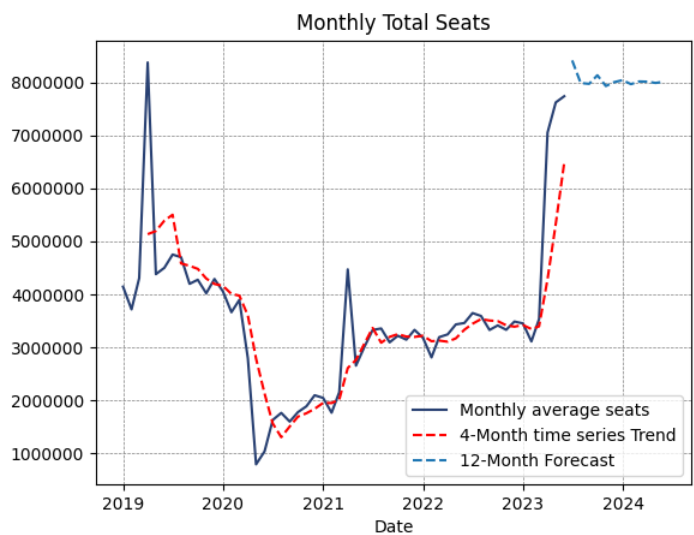

Monthly total passengers from desired route

This graph shows the average yield per month in this route. The highest average yield per month is 0.09067964351095799, which happened in 2023-04. The lowest average yield per month is 0.0027803418209412906, which happened in 2020-06 As of 2023-06-01 00:00:00, the average monthly yield is 0.09013922903556523. There is a general upward trend according to the trend present in average yields.
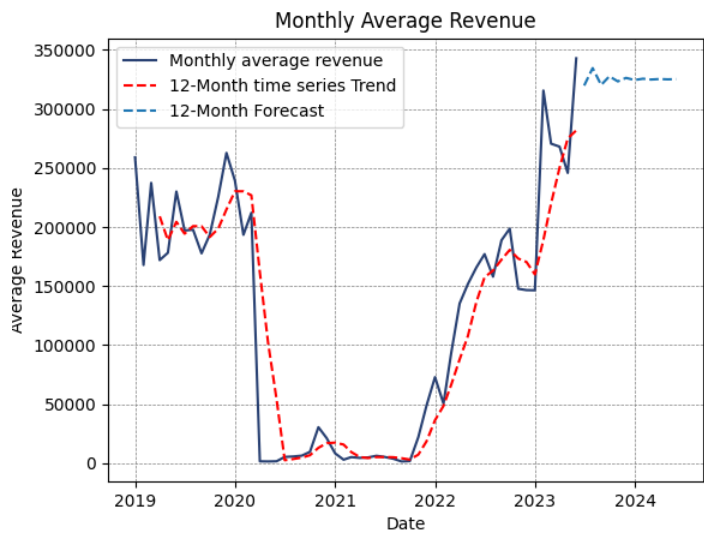

Monthly average yield from desired route

This graph shows the total seats provided for this route per month. The highest number of seats per month is 8372084.0, which happened in 2019-04. The lowest number of seats per month is 796511.0, which happened in 2020-05 As of 2023-06-01 00:00:00, the total monthly seats is 7735450.0. There is a general upward trend according to the trend present in total seats.
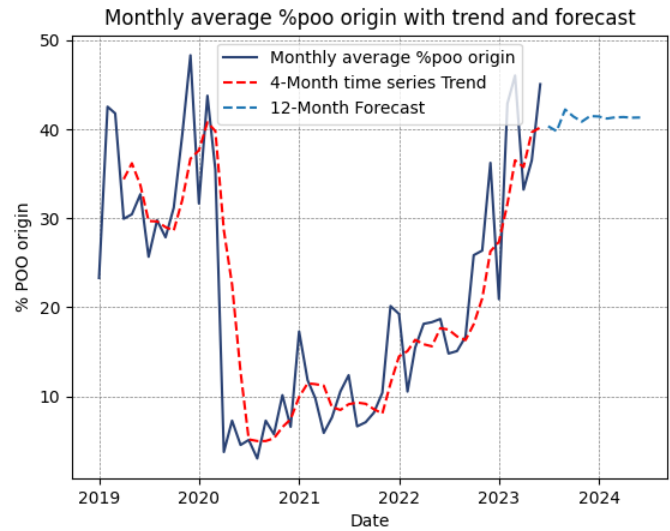

Monthly sum of seats from desired route

This graph shows the average revenue per month in this route. The highest revenue averaged per month is 342982.6097680001, which happened in 2023-06. The lowest revenue averaged per month is 1463.9369132352942, which happened in 2021-09 As of 2023-06-01 00:00:00, the average monthly revenue is 342982.6097680001. There is a general upward trend according to the trend present in average revenue.
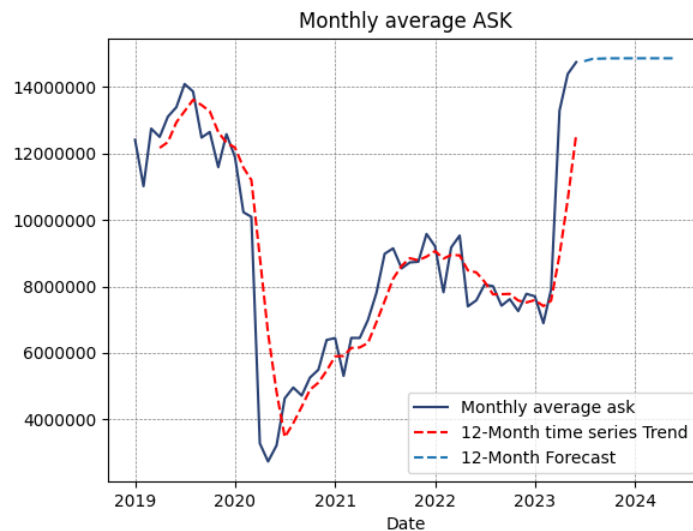

Monthly average revenue from desired route

This graph shows the average passenger of origin in this route, which indicates the amount of passenger with residency from the country this flight departed from. The highest percentage of passenger of origin per month is 48.31391951290215, which happened in 2019-12. The lowest percentage of passenger of origin per month is 3.0094860833909194, which happened in 2020-08 As of 2023-06-01 00:00:00, the average monthly passenger of origin in percentage is 45.06696710629877. There is a general upward trend according to the trend present in average passengers from country of origin.
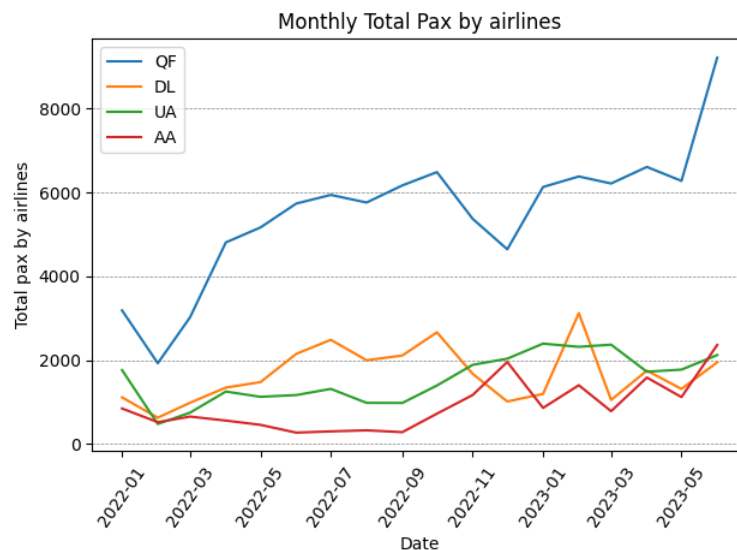

Monthly average passenger of origin from desired route

This graph shows the average available seat kilometers per month in this route. The highest available seat kilometers per month is 14747624.754814075, which happened in 2023-06. The lowest available seat kilometers per month is 2735416.787085661, which happened in 2020-05 As of 2023-06-01 00:00:00, the average monthly available seat kilometers is 7735450.0. There is a general upward trend according to the trend present in available seat kilometers.
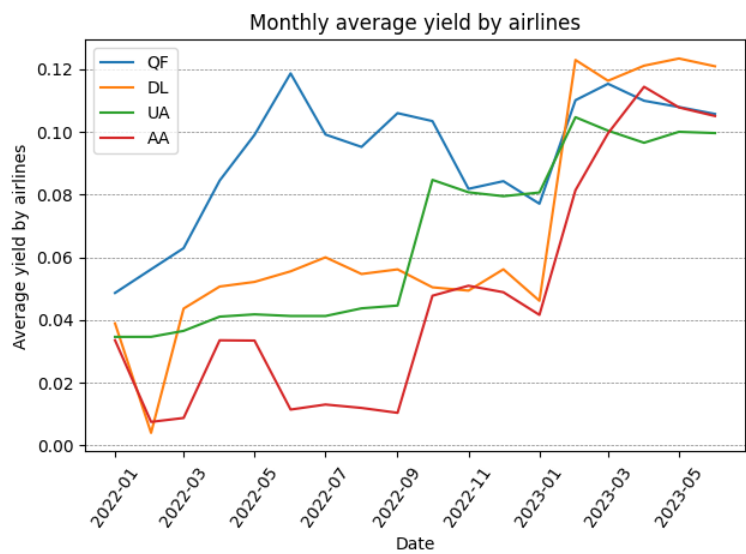

Monthly total passengers from desired route

The second part of this report analyses the top 4 airlines with the most passengers travelling from LAX to are QF DL UA AA , which includes total passengers, average yield and average revenue.
This graph indicates the total passengers per month grouped by airlines.
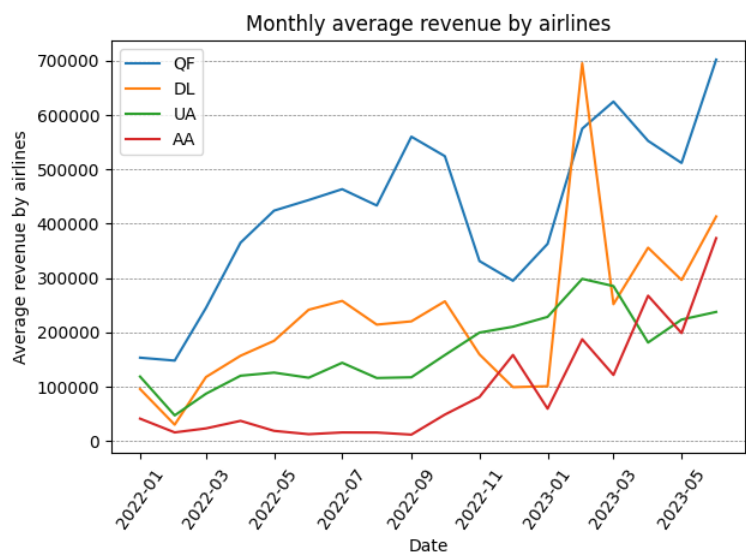

Monthly total passengers from airlines with the most passenger

This graph indicates the average yield per month grouped by airlines.

Monthly average yield from airlines with the most passenger

This graph indicates the average revenue per month grouped by airlines.

Monthly average revenue from airlines with the most passenger