**DOCUMENTATION ON CODE**

The code has 3 ipynb files for 3 tasks.

1. **Part1.ipynb**: This file has all the logic, code and visualizations needed in finding the top 10 busiest routes. This file creates valid\_airports.csv and Busiest\_routes\_flights.csv which are used in analyzing the further parts.
2. **Part2.ipynb**: This file has all the logic, code and visualizations needed in finding the top 10 profitable routes. This file creates all\_flights\_profit\_data.csv which is used in finding top 10 busiest routes and in calculating average profit per flight, fare confidence and average arrival and departure delay.
3. **Part3.ipynb**: This file has all the logic, code and visualization needed in finding the top 10 recommended routes and the number of flights needed to breakeven the upfront cost of buying the airplane.