DATA 608 Final Project Proposal

Amit Kapoor

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Background

Airlines industry has been a major mode of transportation within any country or across the countries around the globe now. Though it involves its strict guidelines for airport operations, flights, their routes and all, every other country is now substantially looking to invest in this industry to attract visitors and businesses from around the globe to boost their economy. It also plays a significant role to reflect better infrastructure. There are thousands of airlines operating across the globe connecting thousands of airports with different routes and I am always curious to enquire about airlines routes, connecting airports and much more related insights.

Objective

The objective of the project is to give visual presentation of airline data insights i.e. airline routes, show busiest routes, mostly used airline by Airport and any other unfound visual pattern in the data. OpenFlights platform has the data that maps the flights around the world and gives all of us an opportunity to fulfill the objectives listed earlier.

This exercise is relevant given numerous airlines and their planes operating so many flights throughout the countries around the world and rather confined customized visualizations available. It will allow to explore flights from an origin and much more. I would say this could be a start of a future project where this data could be clubbed with any other relevant data for more meaningful comprehensions.

Data

I will use the data from OpenFlights (https://openflights.org/data.html), an online open source flights platform that has the data for airports, flights, their routes, country codes and planes. As of now, I see data for ~14K airports and corresponding airlines and their routes around the globe. I will be considering below set of data for final project.

- airports.csv
- airlines.csv
- routes.csv