

# Assignment 1

PRIYANSHU JHA (RA2011003011071)

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## 1 Domestic Aviation data and statistics

The report is about the airline traffic and the number of people travelling from one destination to another in India using domestic airlines in a month.

The civil aviation of India is the third largest market of the whole world and the number of people travelling is in huge numbers.

Comparatively, a bigger flight like the Boeing 747 will approximately use 4 litres of fuel every second this gives an estimate of 14400 litres per hour and 240 litres per minute. And the fuel cost for an aeroplane is 39.06 rupee per litres.

The price of this fuel seems to be much lesser than what we use in our on road vehicles but the consumption of this fuel is much more then what a car needs and also the reason behind the less cost of fuel is due to the taxes are different for this fuel which makes it cheaper.

## 2 About the Data set

The data set contain the main input as the names of India city where the airline services are available and to how much people travel in a month from each city also the freight and mail sent via the airlines in tonne is also given in the data which is referred from DGCA official website.

Another data set will be created and merged to the other data set which will include the air-distance between cities and how much time it will take to complete the journey between these city through which we can rule out the total consumption of the fuel and through that a lot of aspects can be calculated like how much it cost to take one flight from a city to another city airline.

Through this data set we can analyse the whole functioning of the airline system in India at domestic level which can help us to find out the different aspects and market growth of aviation business and what are the aspects weather good or bad can effect the aviation system in India.

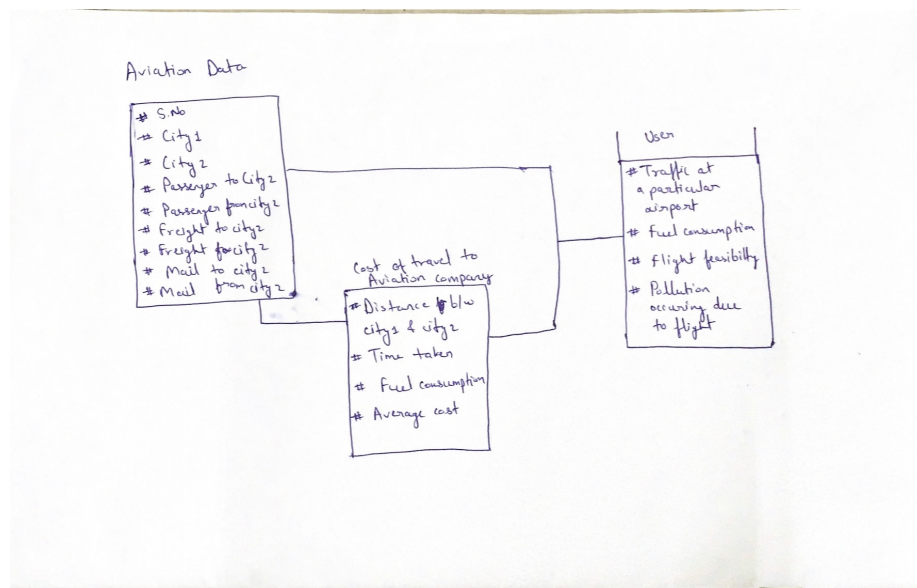


Figure 1: Schema of Aviation data and statistics

### 3 References

- 1)Dataset was taken from Government official website:- [Click here](#)
- 2)Information was taken from Internet website:- [Click here](#)
- 3)Distance between airports:- [Click here](#)
- 4)Over leaf link:- [Click here](#)