AIRLINE DELAY PREDICTION

* What is the problem you want to solve?

This project will allow me to analyze the flight delays and I want to find the reason behind most of the delays.

* Who is your client and why do they care about this problem?

Delays in the airline industry is considered as one of the major set backs to the operations. In my analyses I want to relate flight types with the delays which might tell something about the relation between them.

Also airlines always want to know the causes which keeps them off the competition.

* What data you are going to use for this ? how will you acquire ?

Well the airline data is available on kaggle

(<https://www.kaggle.com/usdot/flight-delays/downloads/flight-delays.zip)>,

the FAA database provides the data of aircraft information such as type of aircraft, tail number etc.,

(<http://registry.faa.gov/database/ReleasableAircraft.zip)>

* Outline approach to solve the problem?

Since the available data is too big (around 3 million entries), I will take the data of flights from particular airport first, in my case I choose New Orleans airport (MSY), which is my city.

I will also try to relate the New Orleans weather data with the delays so that I can predict the delays accurately.

I will try to relate how the particular month or day of the month effects the delays.

Also I will work on relating the flight type and size with delays.

* Deliverables?

I will provide the code of my analysis and also the graphs which states my work.

Will also provide an overall report which gives brief explanation of my solution.