UDACITY - AYO MOSAKU

- AIRLINES vs OCCURRENCE OF AIRCRAFT DELAYS:

This primarily investigates how the airlines in our dataset do against aircraft delays.
https://public.tableau.com/app/profile/ayo.mosaku/viz/LADvAirlines/Sheet1?publish=yes

- Case Study: CHICAGO

Having already seen from investigation, I try to explore the occurrence of these late aircraft delays in such a prestigious city. Below is a map comparing all cities
https://public.tableau.com/app/profile/ayo.mosaku/viz/MapStory_17125757417360/Dashboard1?publish=yes

- OUR FINAL INSIGHTS:

Including the Airlines vs Count of Aircraft delays, we can plot this against a dashboard showing comprehensive information about

1. Origin Airports of Flights vs Late Aircraft Delays
2. Day of the week vs Late Aircraft Delays
3. Month vs Late Aircraft Delays

➔ From this, we can decode our highest month of aircraft delay is in June. Best hypothesis is the fact that it gets super heated then, so planes need to be cooled off before the next flight, adding into context that this is the busiest time of the year even.
➔ Chicago's ORD - 'Chicago O'Hare International Airport' being an international airport on its own, and in one of the busiest Cities for 2015 domestic flights has been plagued with the most origin airports for Late aircraft delays.
➔ Sundays, Day 1 of the week also give the highest values for Late aircraft delays.

https://public.tableau.com/app/profile/ayo.mosaku/viz/MapStory_17125757417360/Dashboard1?publish=yes

NOTE: AT any point, any city in our story to give data of its late aircraft delays, its highest month, day of aircraft delays

Summary

For our design choices,

- We opted to use primarily a line graph to visualise the Late Aircraft Delay vs both our Month and Day of Week count. This is best because it does not overly complicate it for us, it is just very concise and easy to interpret. Here is a dashboard for these two only.

https://public.tableau.com/app/profile/ayo.mosaku/viz/timedatavlad/Dashboard2?publish=yes

- A must there was our map data. This just shown how each city(as on any map) fared against this Late Aircraft Delay issue. View it separately here: https://public.tableau.com/app/profile/ayo.mosaku/viz/LADvCty/Sheet2?publish=yes

- Also, no particular colour palette has been added or used simply because in this case, it would only introduce noise to our dataset.