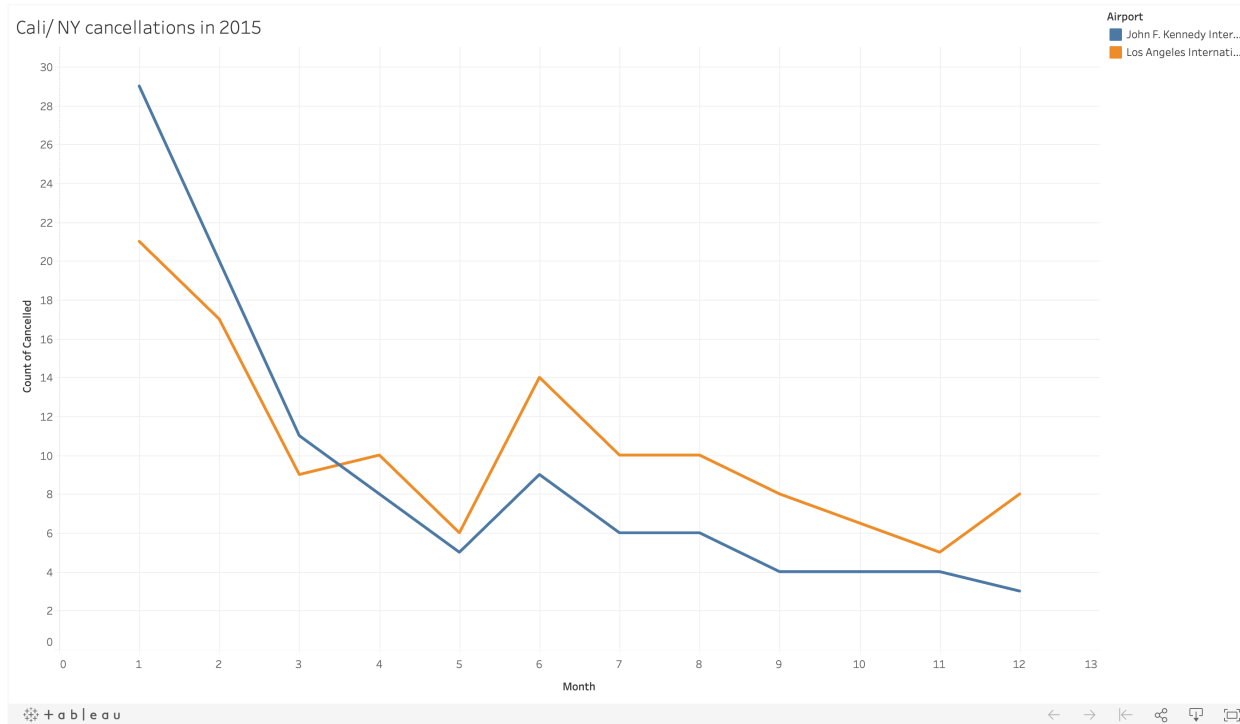


2015 FLIGHT DELAYS AND CANCELLATIONS IN THE USA

Prepared by: Buthainah Aldosary

In partial fulfilment of Udacity Business Analytics Nanodegree



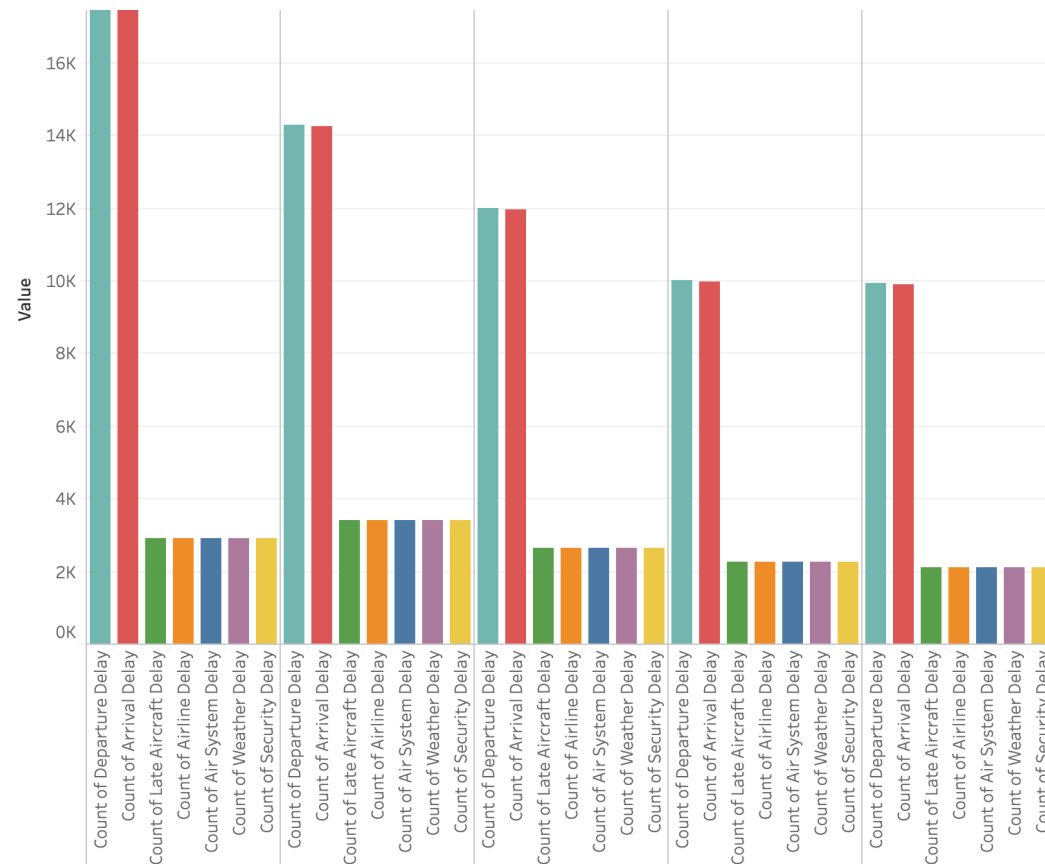
INSIGHT I

NUMBER OF CANCELATIONS IN 2015 FOR JFK AIRPORT AND LAX

In January, the number of cancelled flights for JFK is 29 and for LAX it's 21. However, as we approach the mid of March, LAX cancellations drop below JFK. LAX cancellations continue higher in number than JFL throughout the remaining year.

Dashboard:

<https://public.tableau.com/profile/buthainah#!/vizhome/Buthainah-InsightI/CALINYCancelationsin2015?publish=yes>



+ a b | e a u

INSIGHT 2

DELAY REASONS FOR BUSIEST 5 AIRPORTS IN USA

ATL (Atlanta International Airport) has highest number of departure delays with 17, 925. LA (Los Angeles) has lowest number of departure delays with 9,934. What is interesting is that for each airport the number of late aircraft delay, airline delay, air- system delay, weather delay and security delay is equal. This raises a question of whether these factors are related to each other or not?

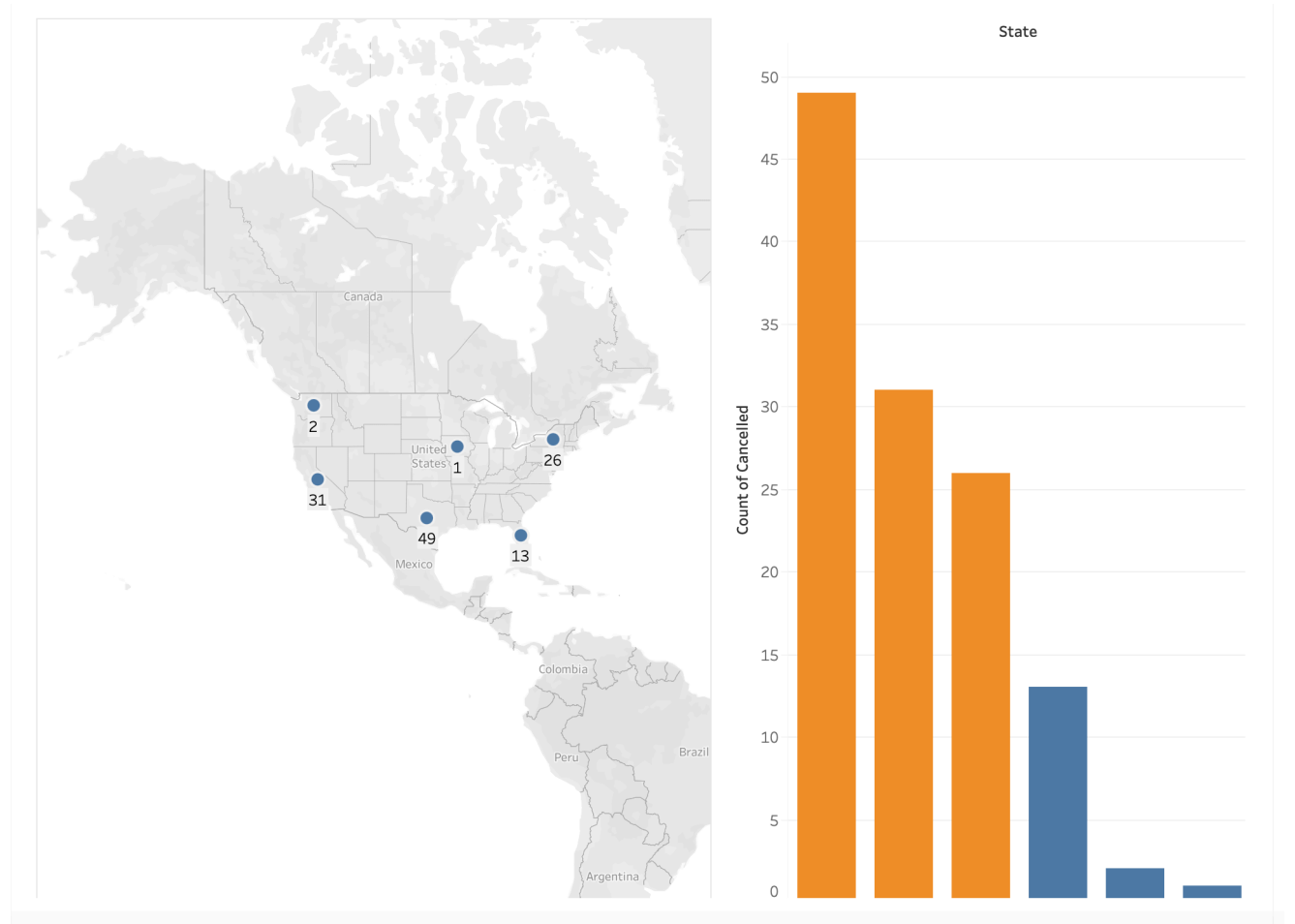
Dashboard:

https://public.tableau.com/profile/buthainah#!/vizhome/Buthainah_Insight2/Sheet1?publish=yes

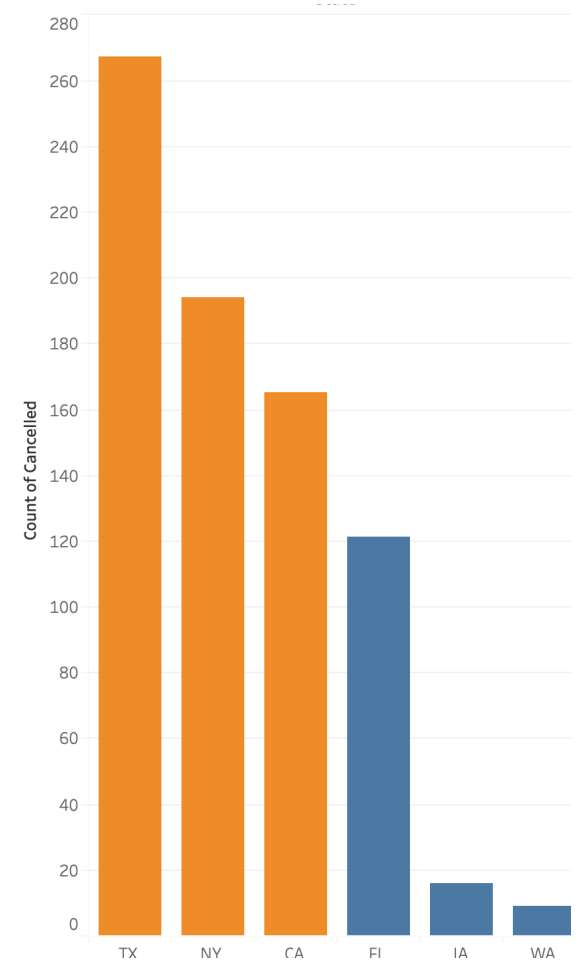
INSIGHT 3

NUMBER OF FLIGHT CANCELLATIONS IN
THE 6 CLIMATE AREAS IN THE USA PER
SEASON IN 2015.

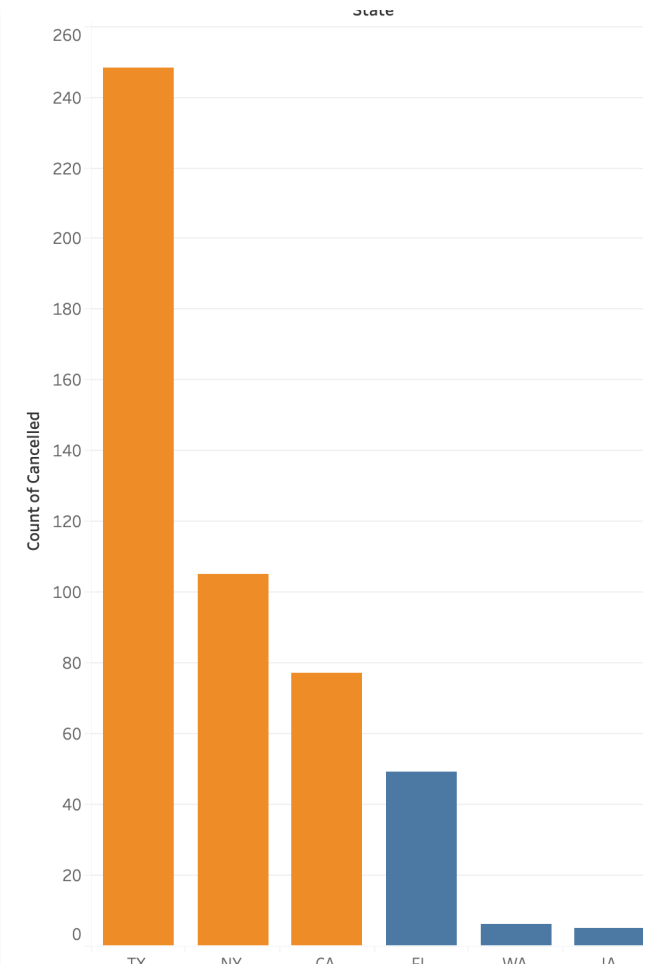
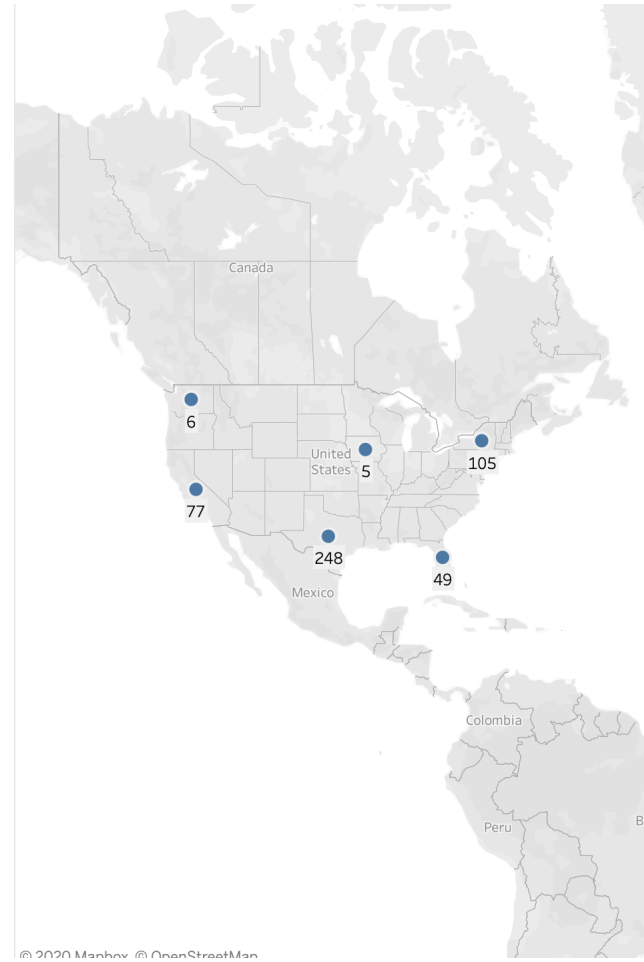
FALL



WINTER



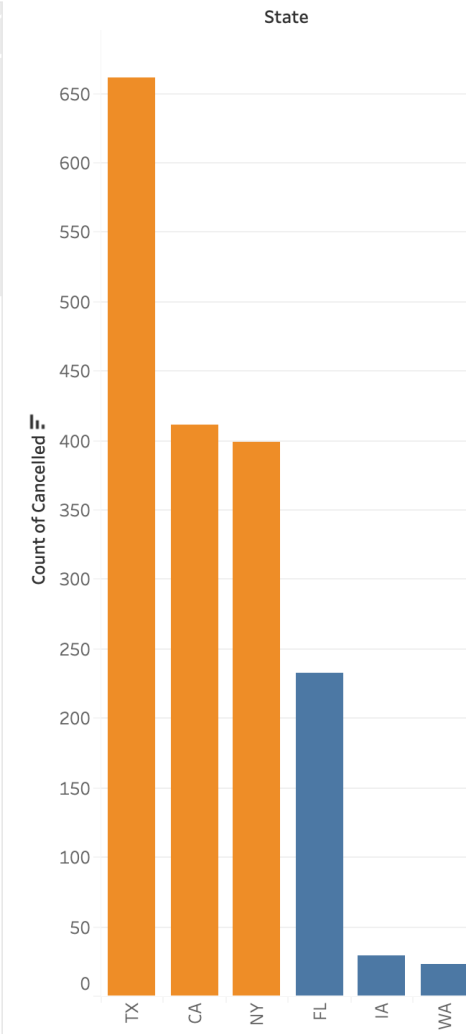
SPRING



SUMMER



Summer- Bar



FINDING

THE TOP 3 CITIES ARE HIGHLIGHTED IN ORANGE THAT
HAD HIGHEST NUMBER OF CANCELLED
FLIGHTS.

THEY REMAINED THE SAME IN ALL 4 SEASONS (IN
ORDER) TEXAS, CALIFORNIA THEN
NEW YORK.