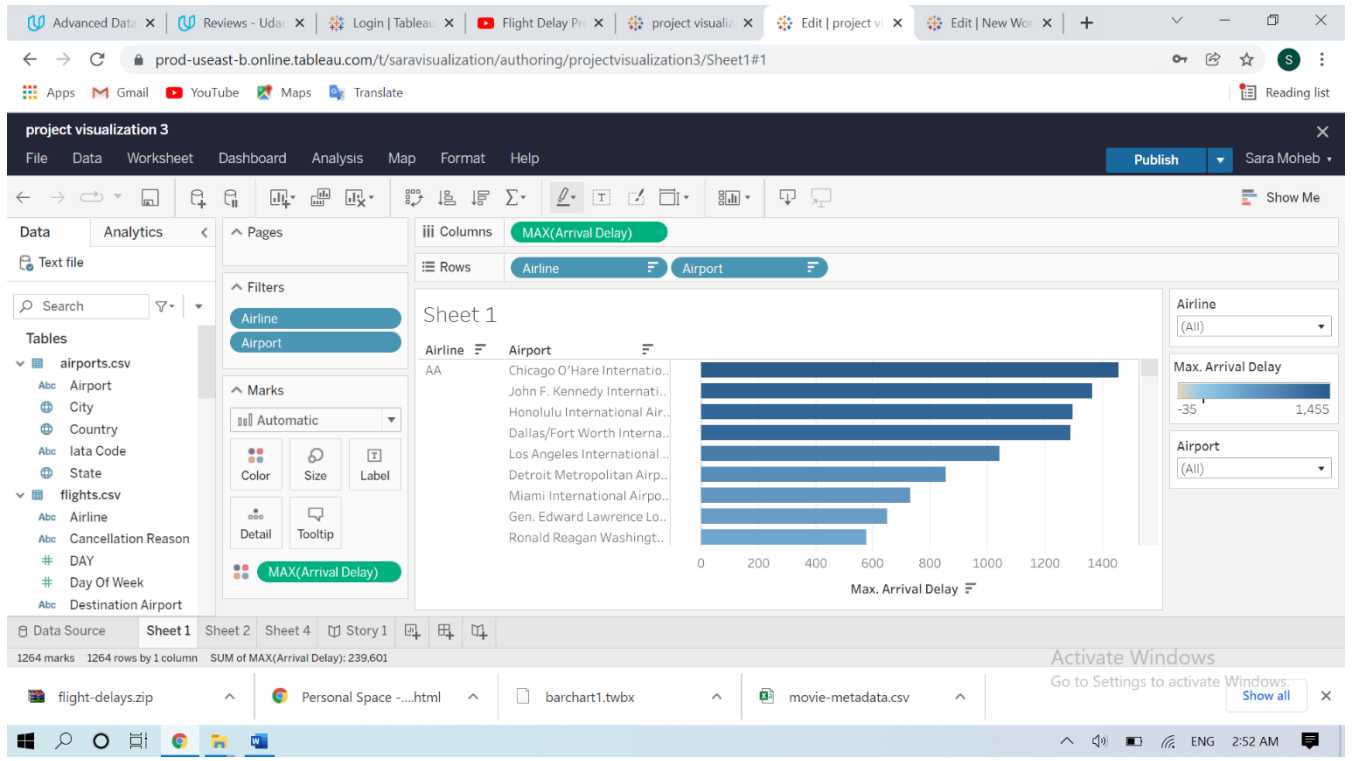


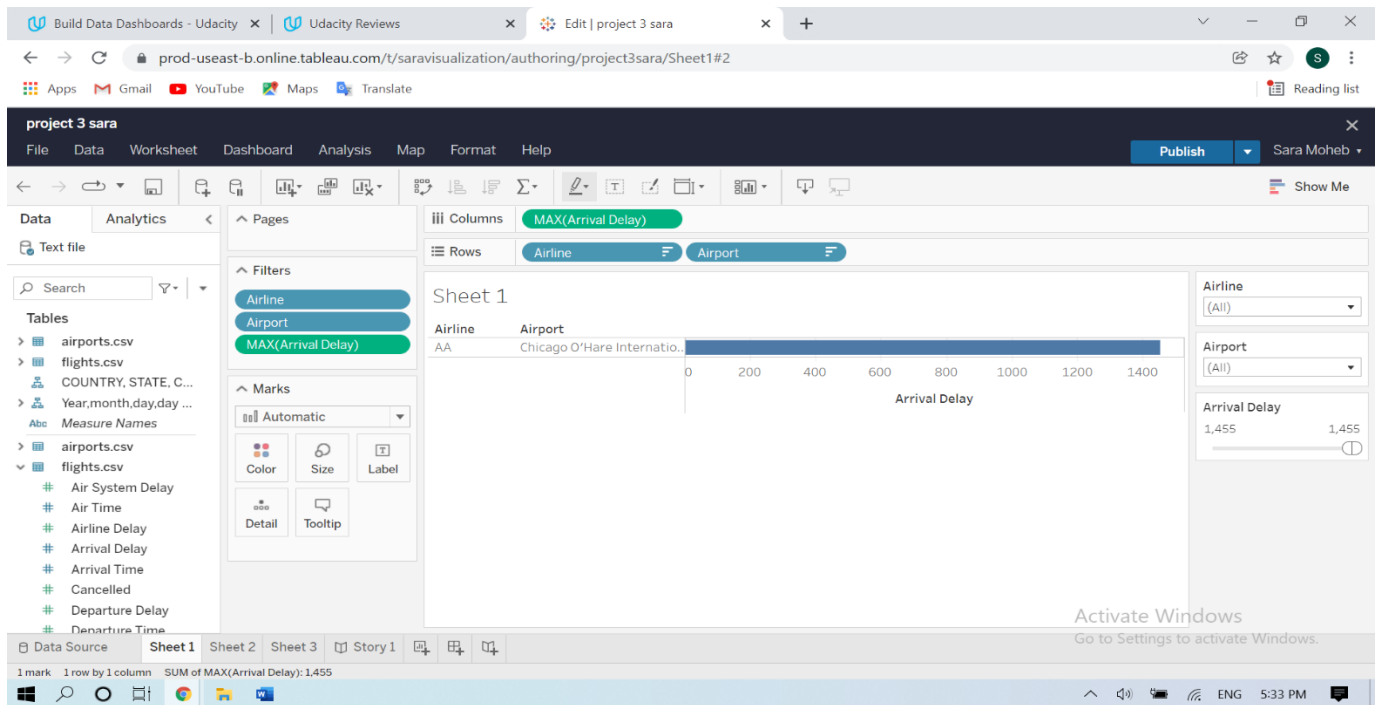
## Project 3 Data visualization on Tableau

Screen shots to project:

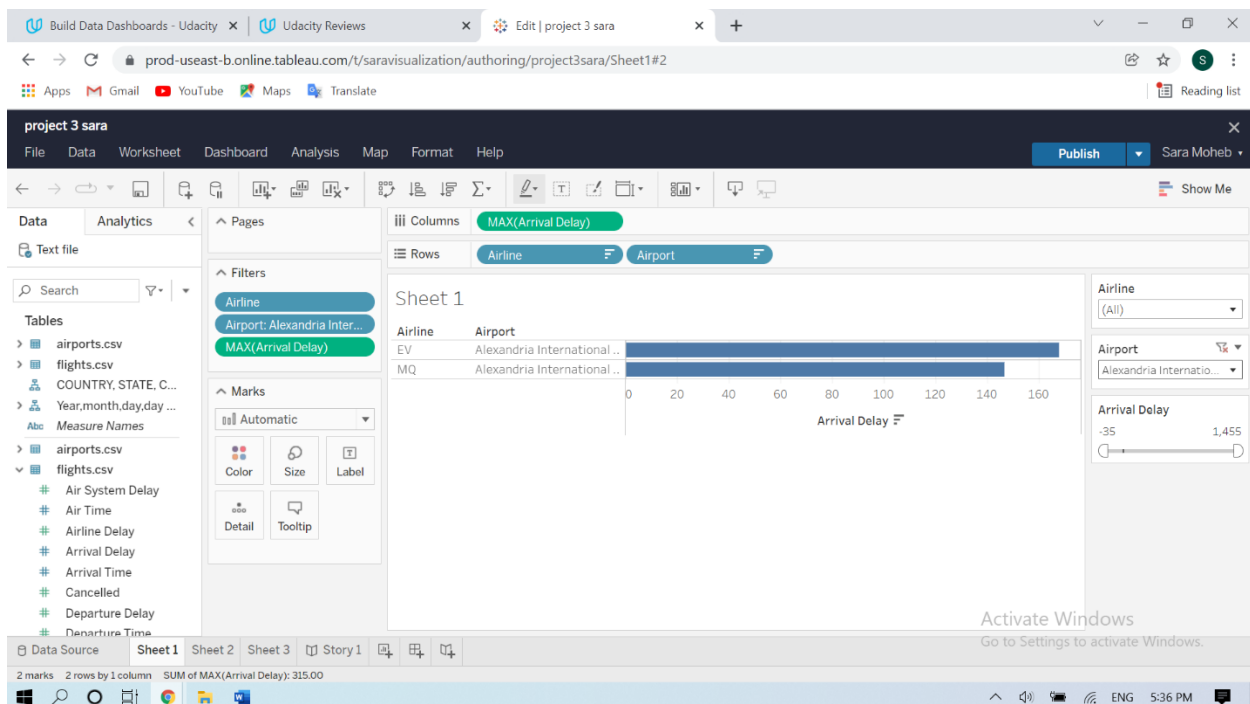
### Insight 1



**summary:** in this visualization I found the worst arrival delay in airlines & airport by doing filtration to both of them lead to find worst & best delay for each airline & airport & using color effect of max arrival delay to make it easier to see difference.



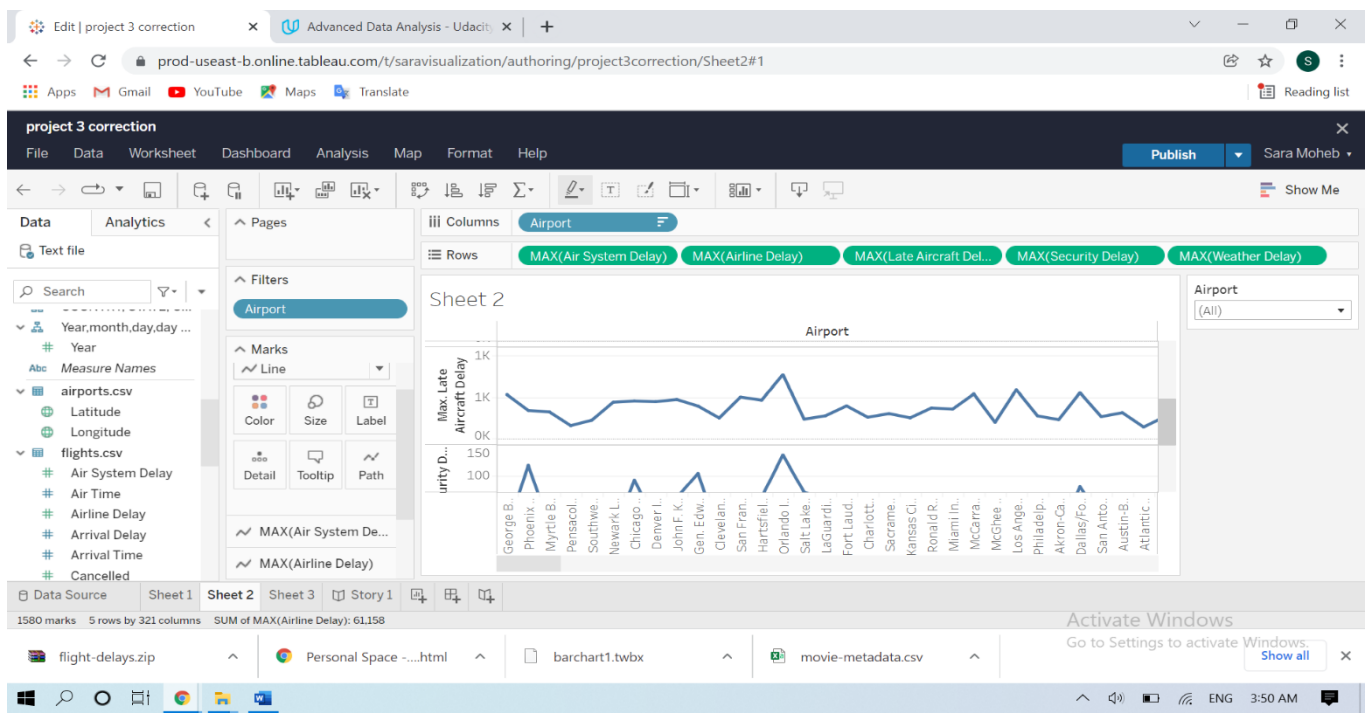
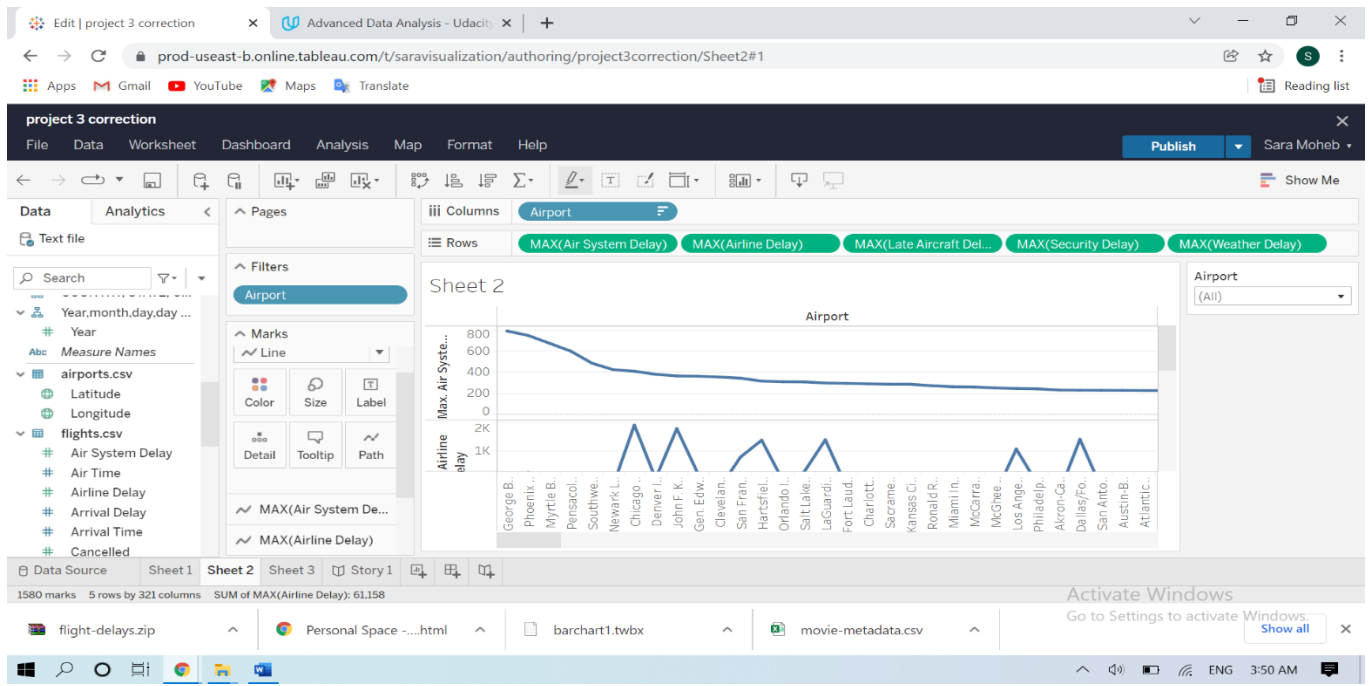
This picture after I do filtration with arrival delay to know which airport & airline has the max arrival delay.



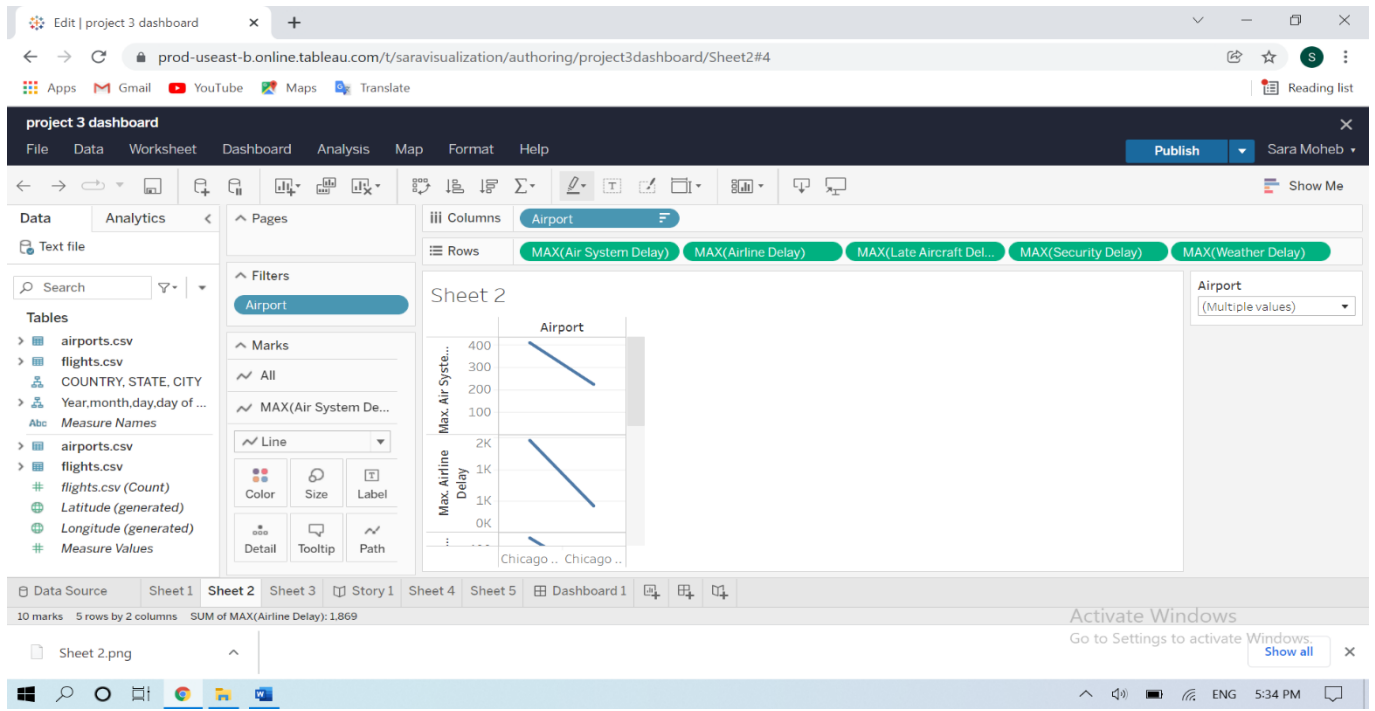
In this picture after we do filtration with airport if we want to know which airline in Alexandria international airport has max delay we found EV airline has max delay.

**Design:** I make bar chart between airlines & airports in column & arrival delay rows & make filtration with airport ,airlines& max arrival delay.

## Insight 2:



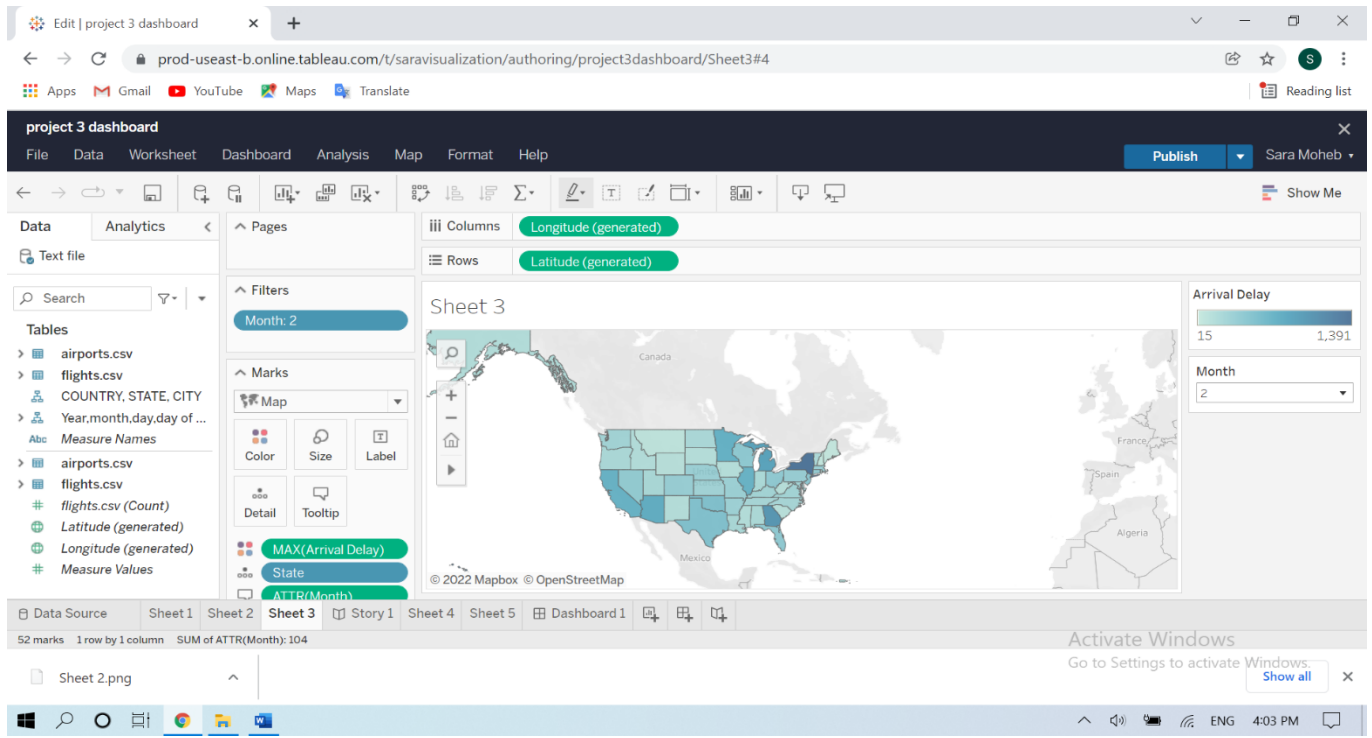
**summary:** In the second one I try to find answer question of if causes of delay vary with airports so yes and each airport has maximum of one of causes of delay(which is air system delay ,airline delay, weather delay, security delay & late aircraft delay)which cause most delay in this airport.



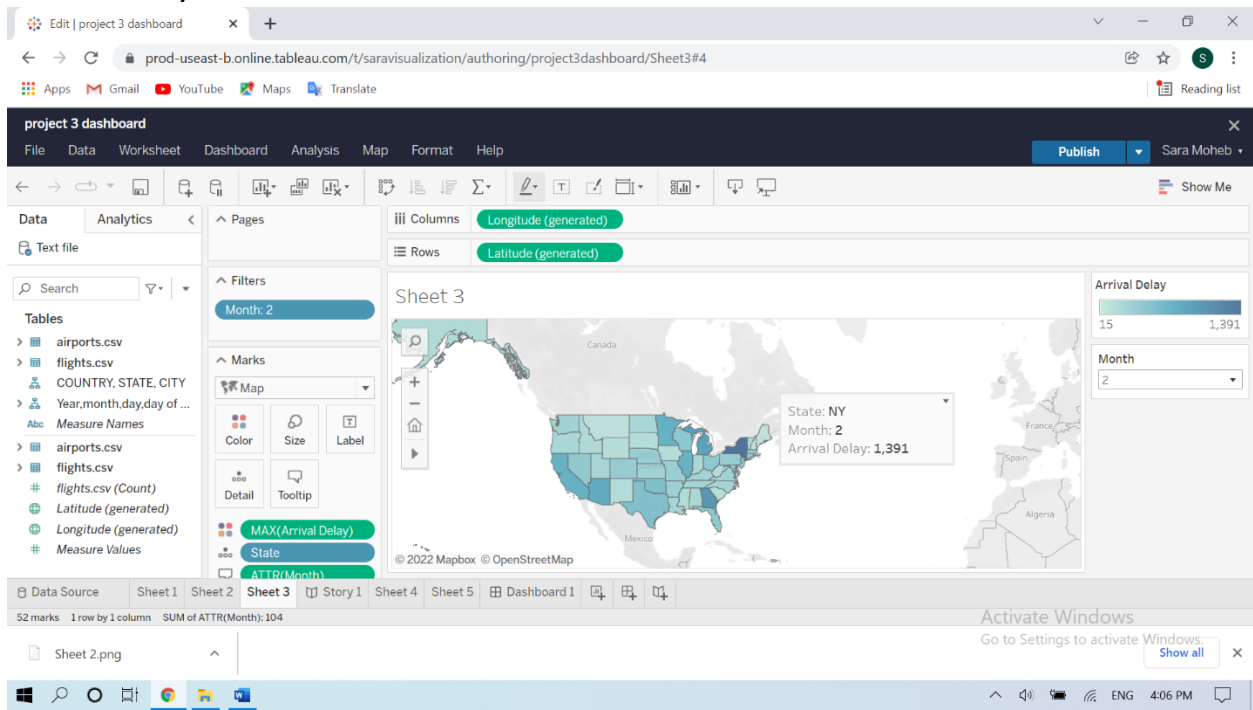
in this picture I do filtration with airport Chicago to see what is the most cause delay so found all causes of delay make delay in Chicago airport with almost the same

**Design:** we use line chart to make relation between airports & causes of delay & use airport filtration to make it easier to know which cause lead to most delay in the specific airport.

### Insight 3



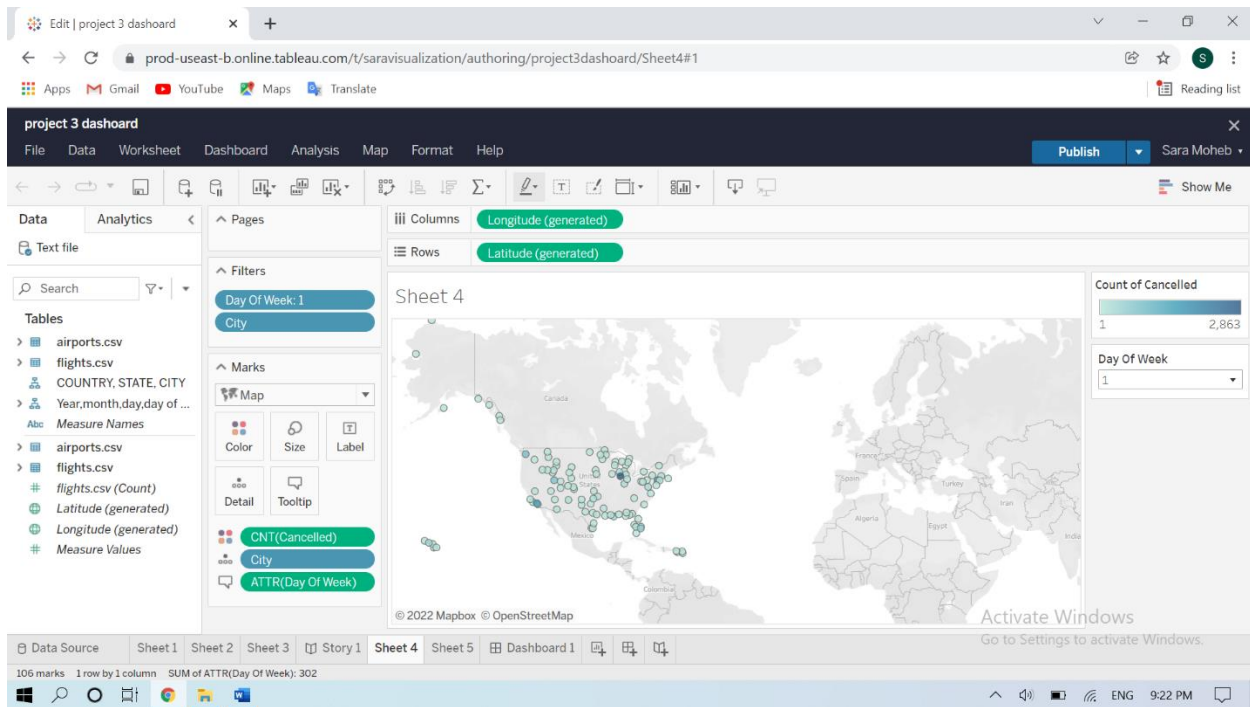
**Summary:** in this visualization we answer the question which state has the max arrival delays during all months and found IL is the state which has the max arrival delay which densed in color in the chart



Then I do filtration with month & found in month2 state NY is max delay.

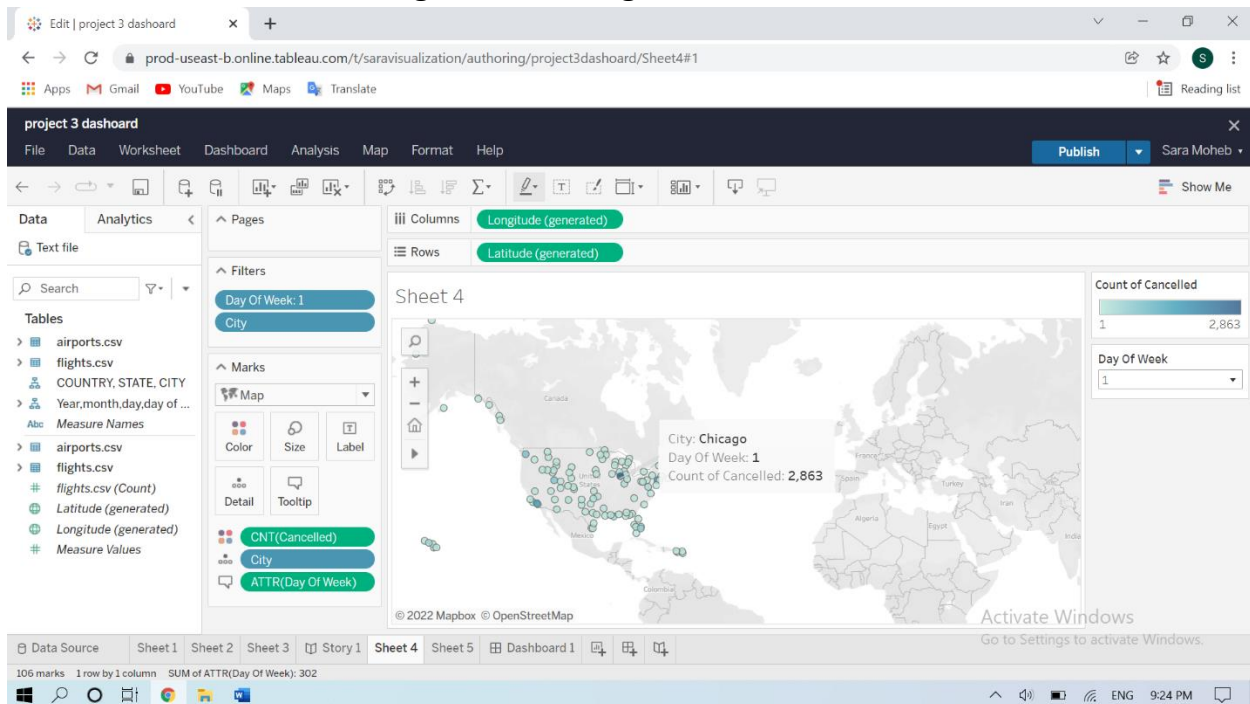
**Design:** we use map chart as it very clear which state in each month filtration has max arrival delay.

## **Insight:4**



Summary: I do this visualization to see which city has the max number of flights

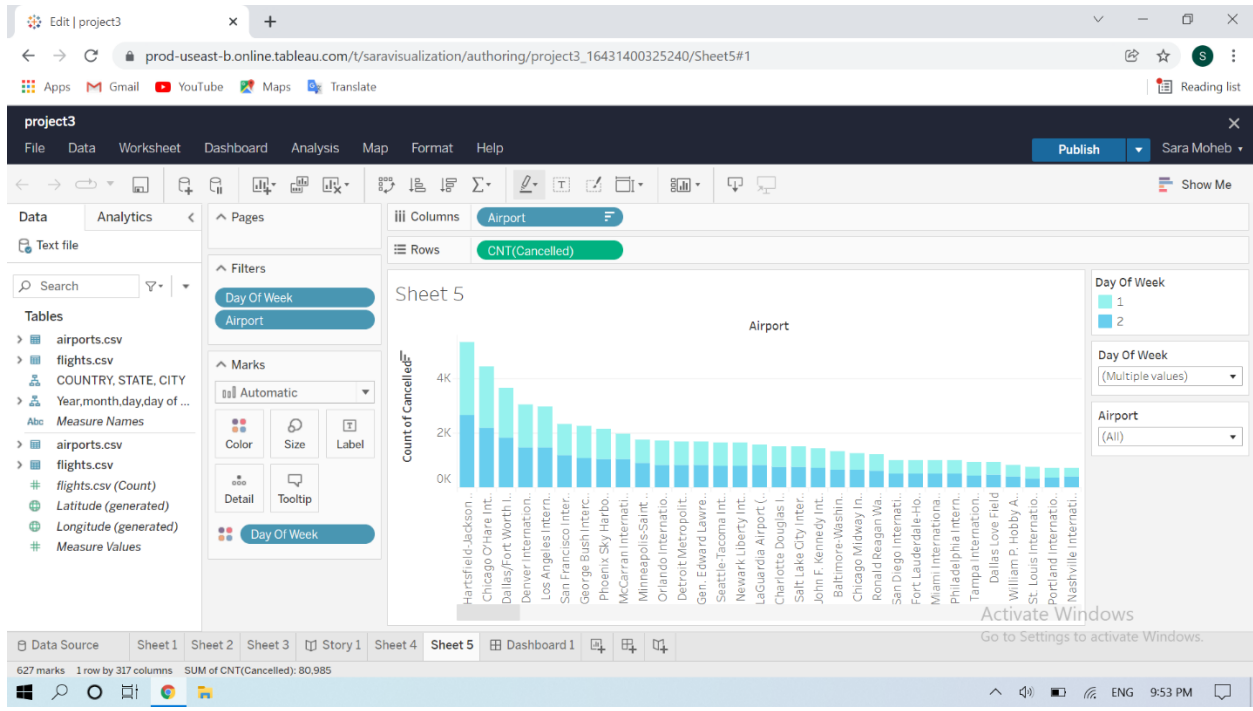
## cancellation & found Chicago has max flight cancellation cancellation



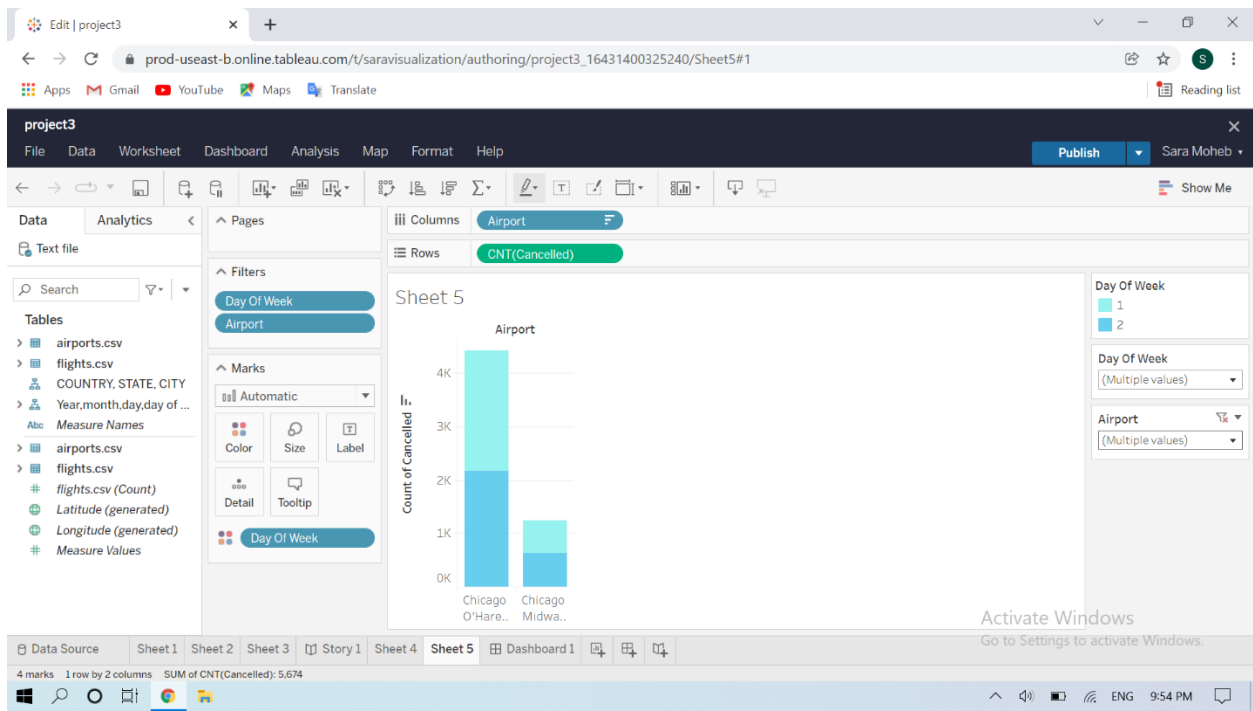
Then we make filtration with day of week to find which city in day of week 1 has max flight cancellation we found else Chicago.

**Design:** we use map chart & use day of week & city as filter & put count of cancellation as color mark.

## Insight 5:



**Summary :** we make relation between airport & count number of cancelled flights & found hartfield Jackson airport has max number of cancelation & use day of week as color legend.

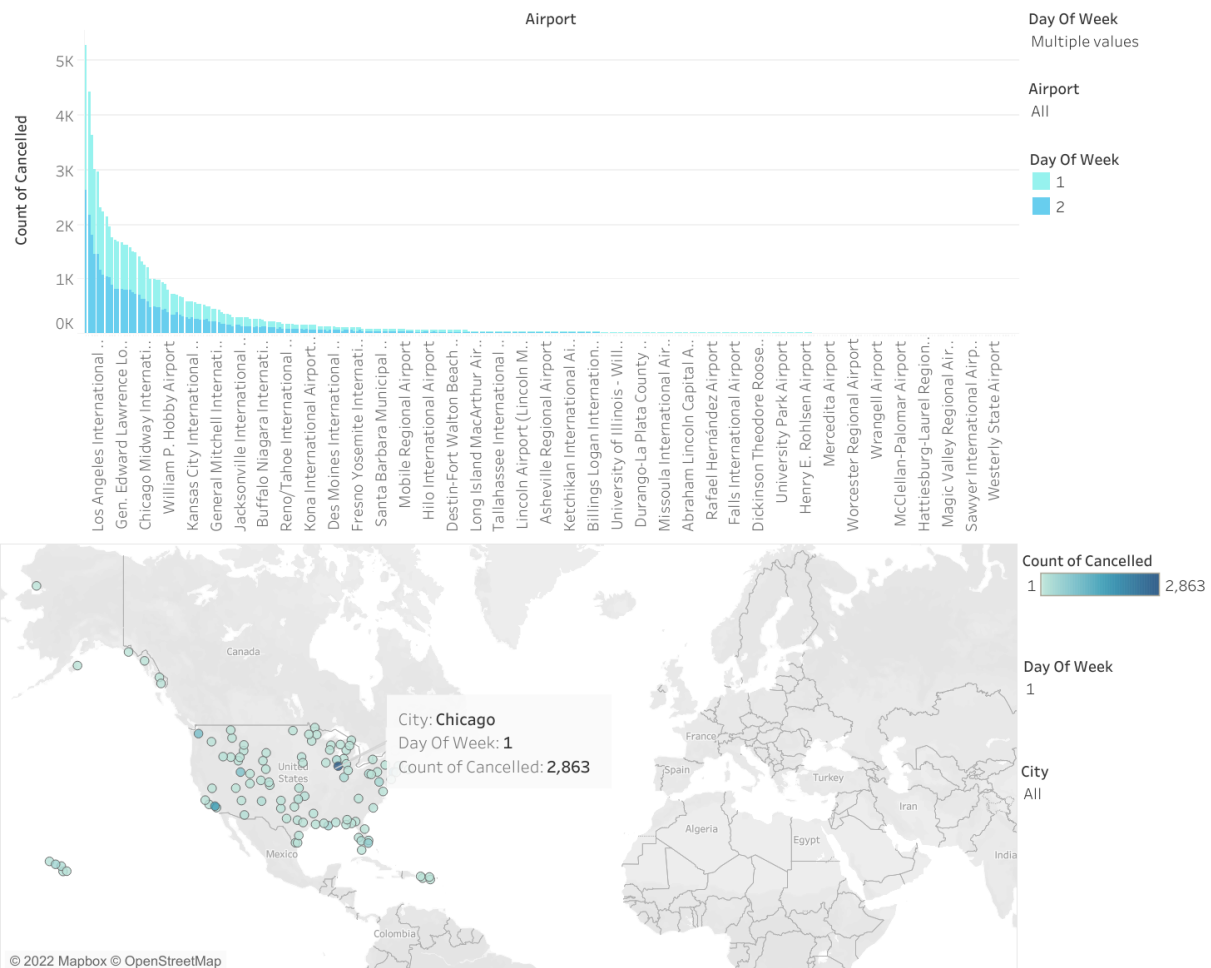




In that I do filtration with day of week & airport to see count of cancellation in Chicago airport.

**Design:** we use bar chart & put filtration with day of week & airports & use day of week as color legend.

## Dashboard: using insight 4,5



**Recourses for all:** N/A

## Story link:

