

### Insight 1:

<https://public.tableau.com/app/profile/yahya.mohamed4594/viz/weatherandflightcancellation/Dashboard1?publish=yes>

#### **SUMMARY:**

This dashboard shows the proportion of weather-related cancellations to other reasons of cancellations and shows distribution of bad weather over the different cities. Weather-related cancellations found to be higher in January, February, and December. Simultaneously, bad weather covers a wide area including many cities. In July, August and September, Weather-related cancellations found to be the least with corresponding small area of bad weather distribution including few cities.

### Insight 2:

<https://public.tableau.com/app/profile/yahya.mohamed4594/viz/studyairlinedelayinrelationtocountofflightsforairlines/Sheet8?publish=yes>

#### **SUMMARY:**

this visualization shows the effect of flights count for different airline on airline delay all over 2015 or any specific month, a strong positive correlation between the flights count and airline delay can be discovered through this visualization. Southwest airlines CO. has the maximum value of flights count (59437) with corresponding maximum value of airline delay (182670 min.). On the other hand, Virgin America airlines has the minimum value of flights count (2978) with corresponding minimum value of airline delay (7583 min.).

### Insight 3

<https://public.tableau.com/app/profile/yahya.mohamed4594/viz/thebestoriginairpot/Sheet28?publish=yes>

#### **SUMMARY:**

this visualization shows the effect of flights count on the average of departure delay at different origin airport all over 2015 or within specific month. ATL airport is the best one through all airport, it has the largest flights count (18056) and its average departure delay is equal to 9.32, airports which have a less average departure delay than ATL airport have a flights count less than one third of ATL.

### **DESIGN:**

in all visualization, the used color is less-intense and blind friend to be comfortable. With insight1, highlight color (red) used to differentiate group of interest.

**Resources:**      N/A

