

Performance Analysis of SkyWest Airlines

The picture below shows the dashboard for the SkyWest Airlines Performance. User can navigate through any of the pages as shown in the header of the page. The header also shows a short description about the plot that is represented in the page.

SkyWest Story

Update

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Introduction

Causes of Delay SkyWest

Delays over days of week for each quarter

Delays over months

Main Contributing Delay Factor

Departure Delay and Flight Count for Origin Airports

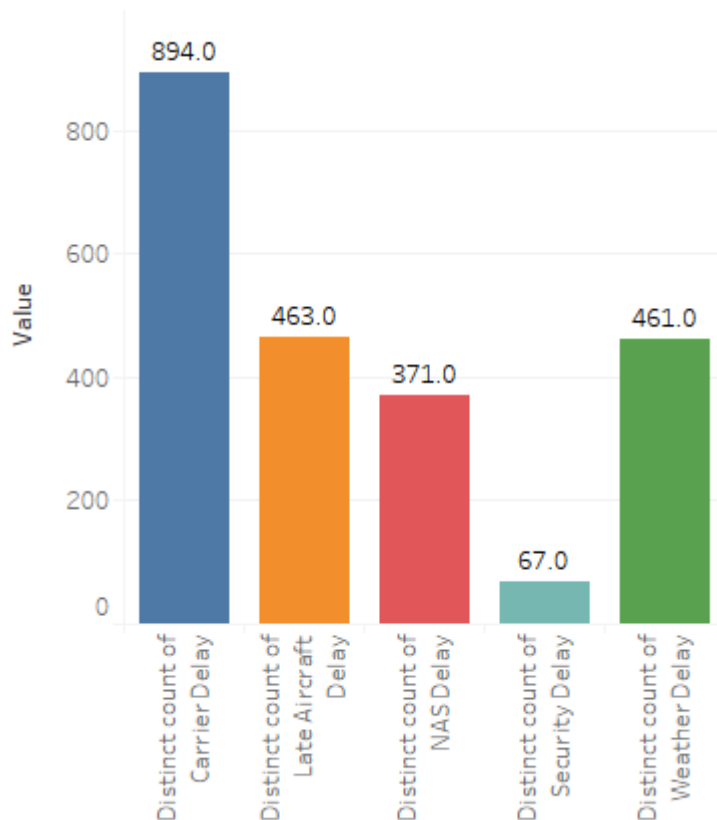
Departure delay for Skywest for each state

SkyWest Airlines Flight Performance Group 5

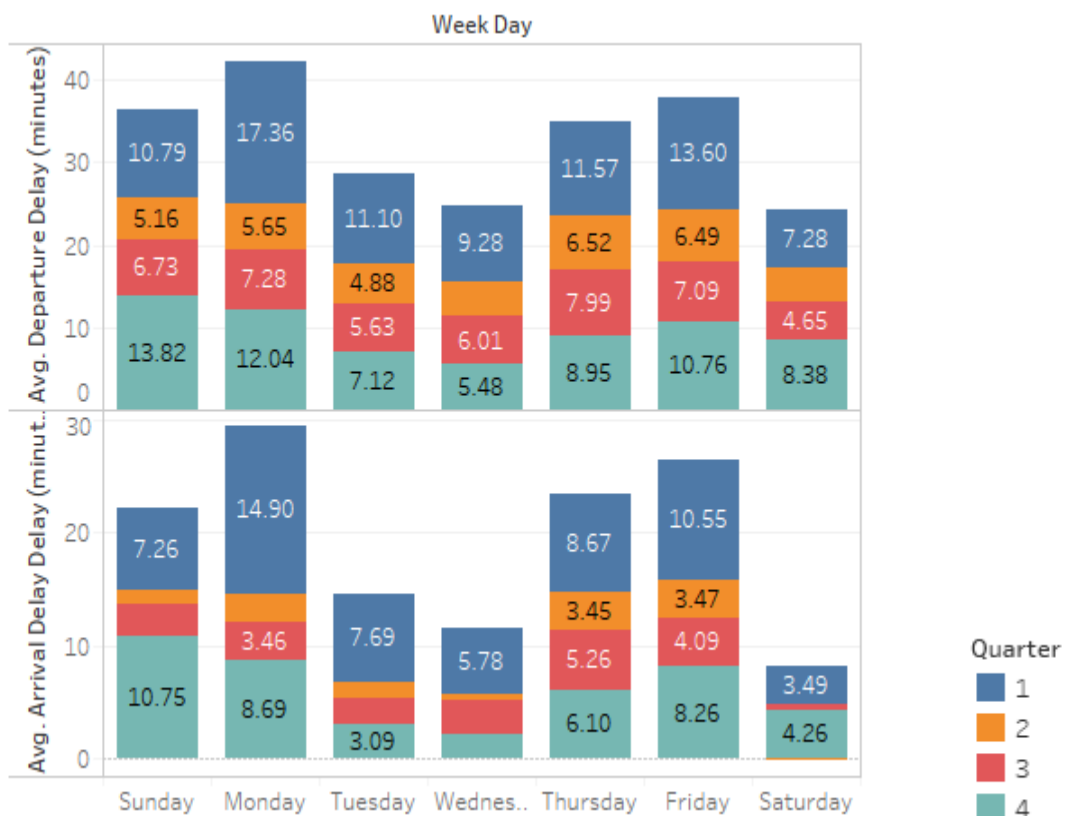


The graphs/ plots represented by each of the tabs in the dashboard are described below-

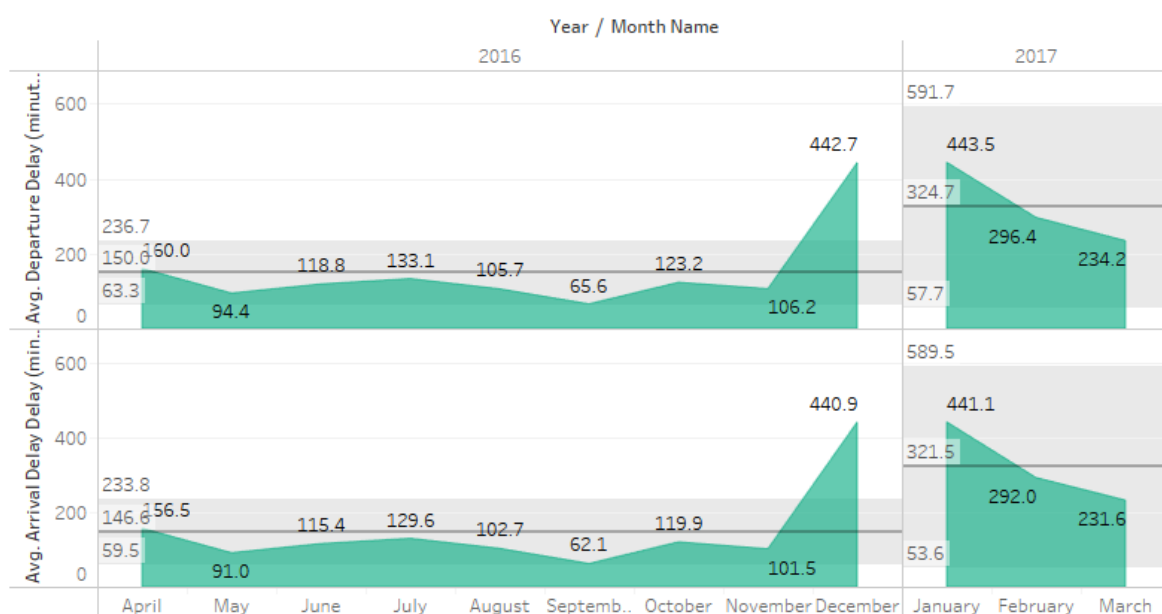
- This graph is used to represent the number of time different types of delay occurred for the SkyWest Airlines. In other words, this plot represents which delay occurred more number of time and was usually the contributing factor for the delay of the flight.



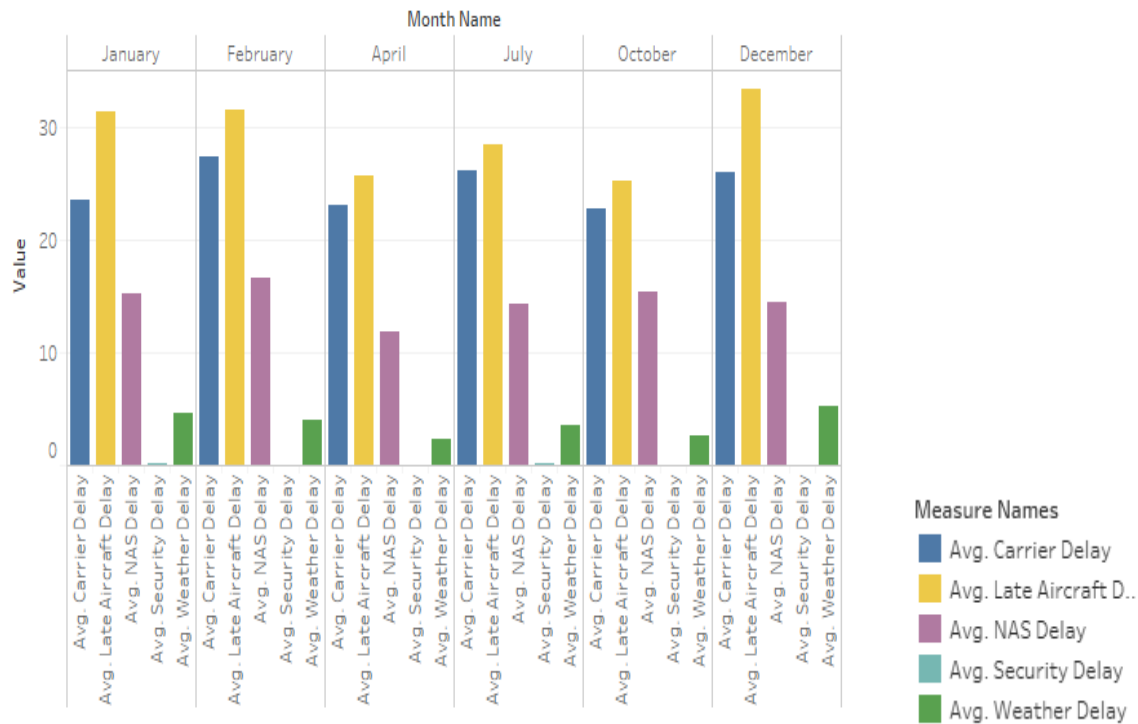
- This plot shows the average Arrival and Departure delay for each quarter.



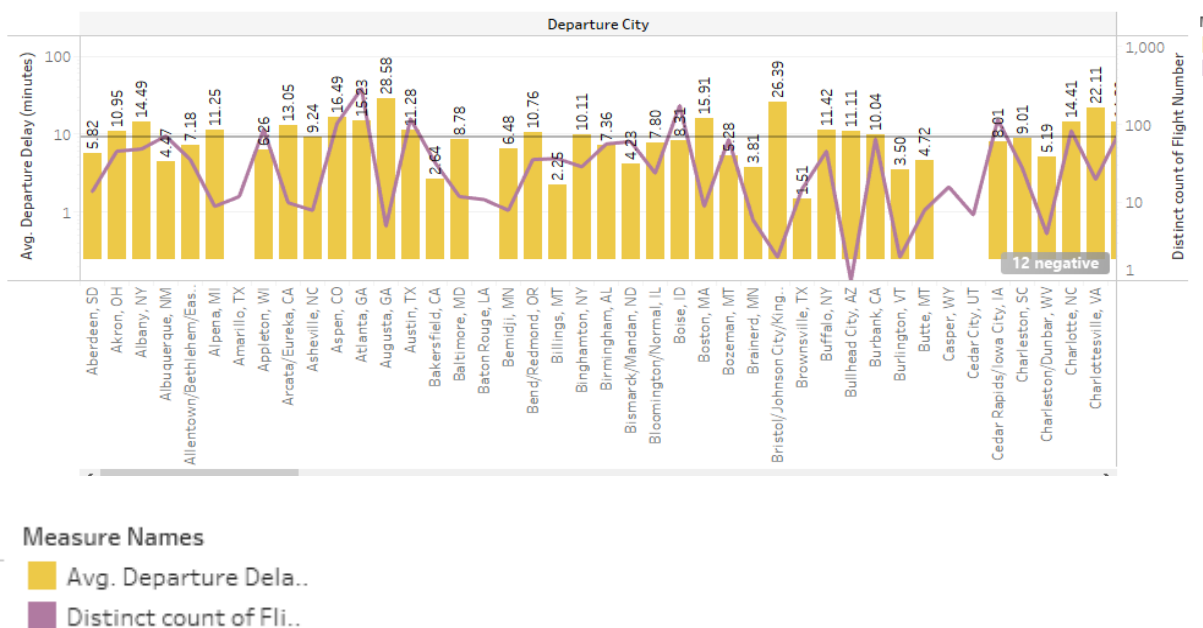
- This shows the distribution of the delay across each month of the year. It also shows the average measure of the delay (represented by the grey horizontal line)



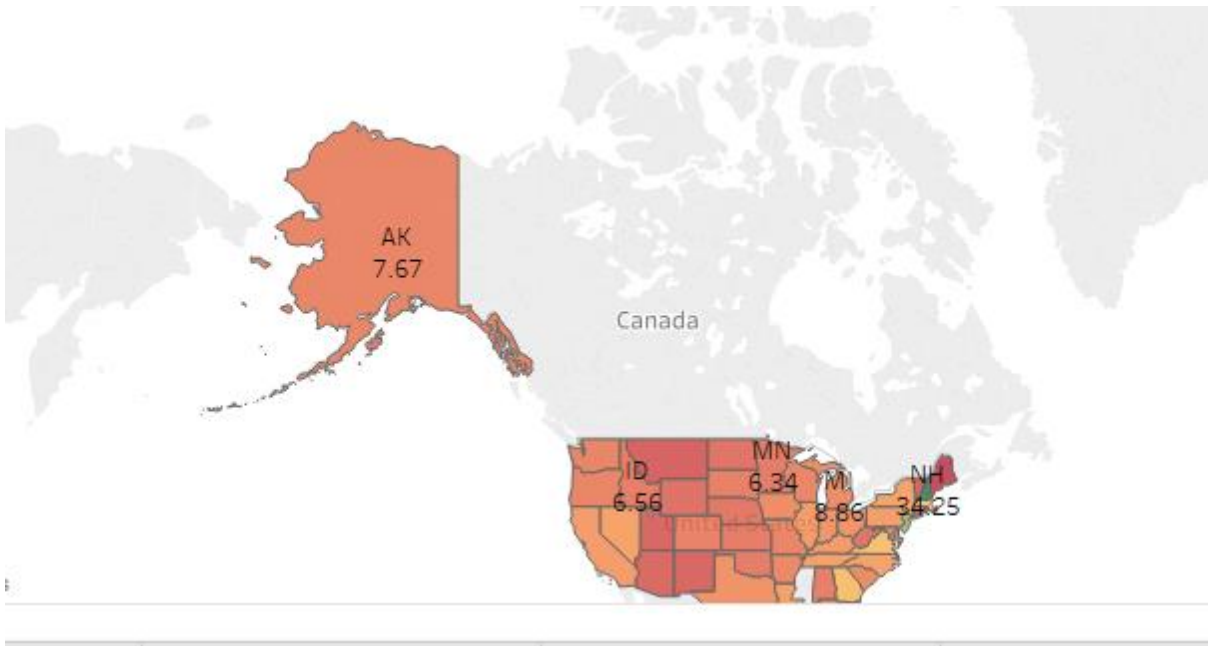
- This graph shows the measure of each type of delay for every month.



- This picture represents average delay recorded in each departure airport with respect to the number of SkyWest flights that takes off from that airport.



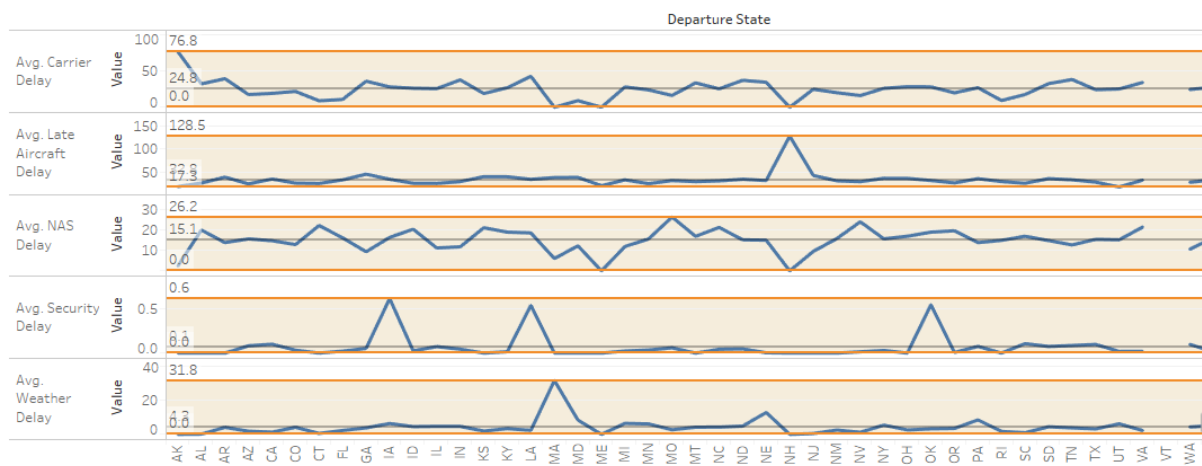
➤ Departure delay for SkyWest for each state



➤ Comparing Departure Delays for each days of week among different quarters

Quarter	Week Day	
1	Sunday	10.79
	Monday	17.36
	Tuesday	11.10
	Wednesday	9.28
	Thursday	11.57
	Friday	13.60
	Saturday	7.28
2	Sunday	5.16
	Monday	5.65
	Tuesday	4.88
	Wednesday	4.11
	Thursday	6.52
	Friday	6.49
	Saturday	4.09
3	Sunday	6.73
	Monday	7.28
	Tuesday	5.63
	Wednesday	6.01
	Thursday	7.99
	Friday	7.09
	Saturday	4.65
4	Sunday	13.82
	Monday	12.04
	Tuesday	7.12
	Wednesday	5.48
	Thursday	8.95
	Friday	10.76
	Saturday	8.38

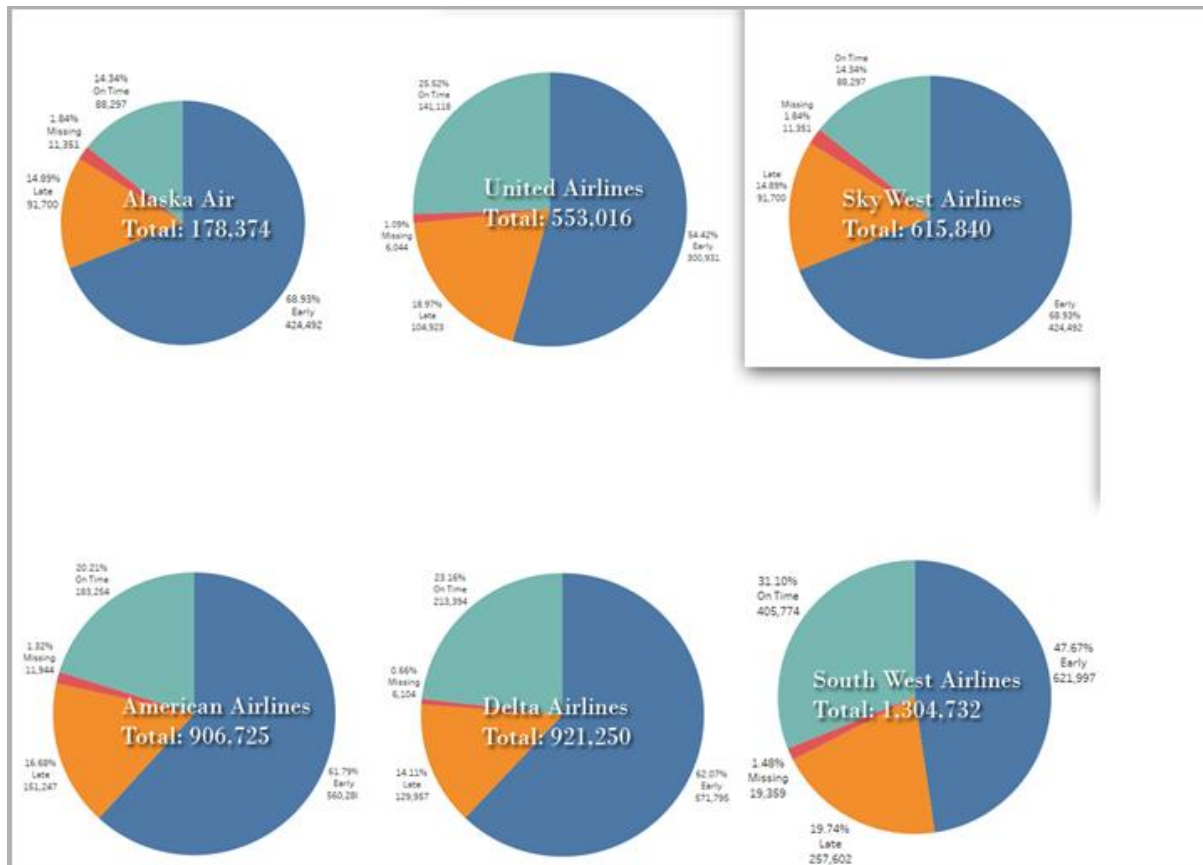
➤ Distribution of each causes of delay across Departure States



➤ Representation of measure of Tardniess



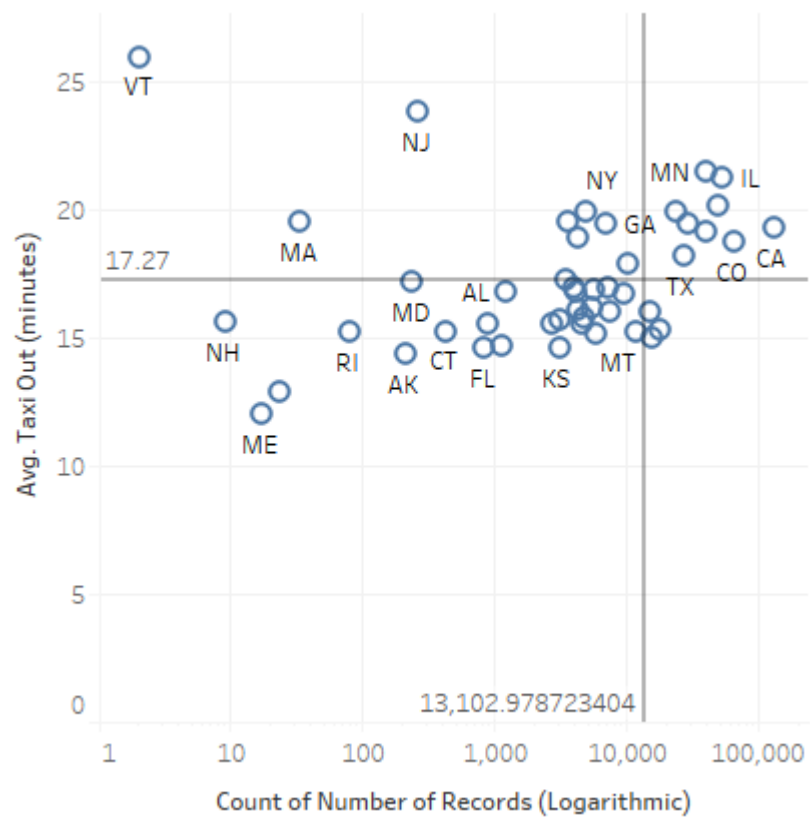
➤ The Competition among all the airlines of United States.



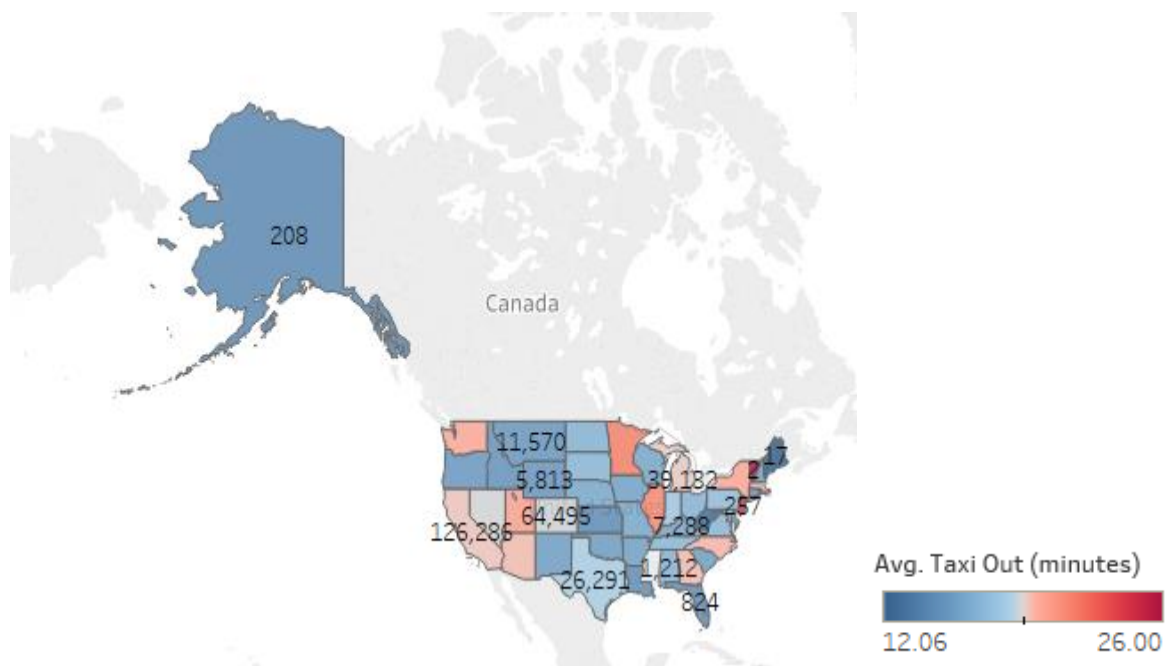
➤ Rankings



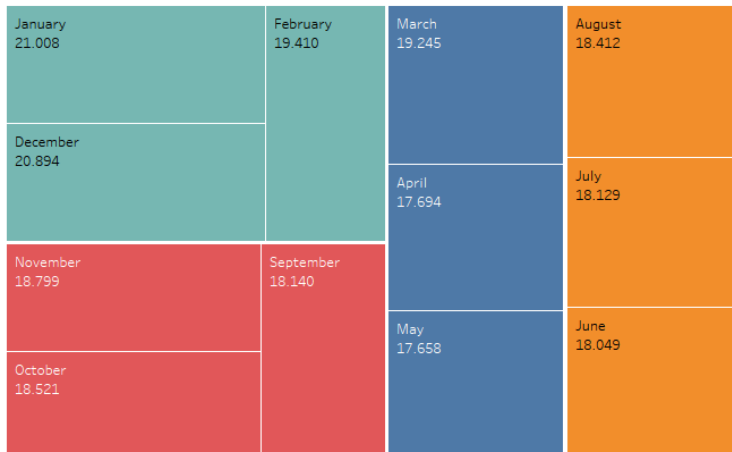
➤ Taxi Out By State



➤ Map of Taxi Out



➤ Taxi Out By Season



Clusters

- Cluster 1
- Cluster 2
- Cluster 3
- Cluster 4

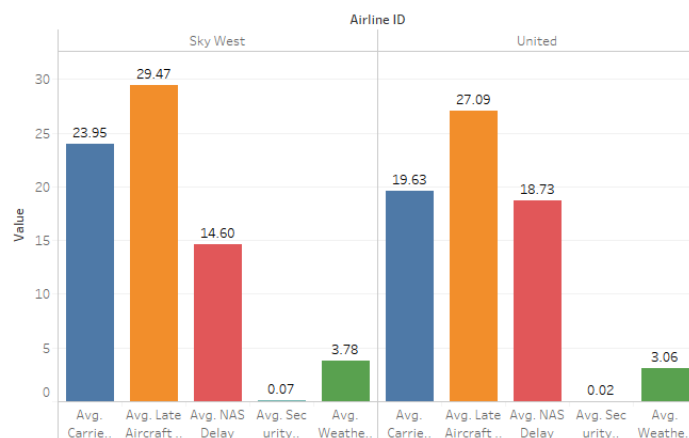
➤ SkyWest vs. United Departure Delays



Measure Names

- Average Departure ..
- Average Taxi Out

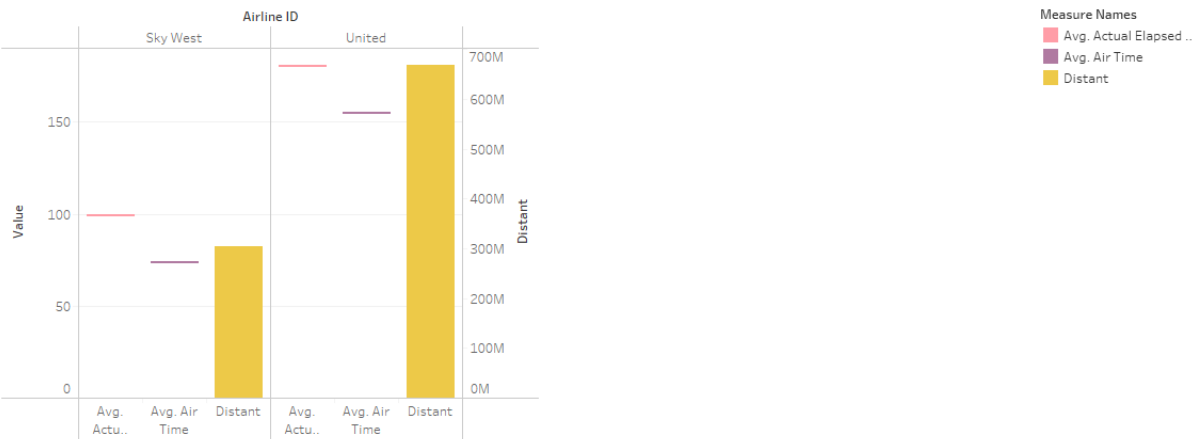
➤ SkyWest vs. United Delay Measures



Measure Names

- Avg. Carrier Delay
- Avg. Late Aircraft D..
- Avg. NAS Delay
- Avg. Security Delay
- Avg. Weather Delay

➤ SkyWest vs. United Distance & Average Air Time Delay



Thank You For Flying With Us!

