

Project 4: Flight Delays

By: Suzie Lovinsky

Insight 1	
Link	https://public.tableau.com/app/profile/suzie.lovinsky/viz/Project4SuzieL_FlightDelays/StateswiththeMostAirports
Summary	Texas (24), California (22), and Alaska (18) have the most airports. These three states are also the largest states in terms of land area. The fact that Alaska is ahead of states with much higher populations such as New York shows that the number of airports that a state has is more of a function of its land area than its population.
Design	I chose the bar chart because it shows the differences in the number of airports visually. I also used a count distinct measure of the airport IATA code to find the number of airports.
Resources	N/A

Insight 2	
Link	https://public.tableau.com/app/profile/suzie.lovinsky/viz/Project4SuzieL_FlightDelays/LargestAirlines
Summary	Southwest Airlines (5,071), Delta Airlines(2,391), American Airlines (2,313), Atlantic Southeast Airlines(2,231) and Skywest Airlines(1,905) are the largest airlines in terms of the number of flights that they operate.
Design	I used a tree chart because it is a good way to represent the market dominance of the various airlines in the industry. I used a distinct count of the flight number to find the number of flights operated by each carrier.
Resources	N/A

Insight 3	
Link	https://public.tableau.com/app/profile/suzie.lovinsky/viz/Project4SuzieL_FlightDelays/Dashboard1?publish=yes
Summary	By using the pie-chart and the map we can see that large airports in cities with multiple airports such as those in New York - LaGuardia (61.79%), Newark (55.18%), JFK (60.54%) - and Chicago - O'Hare (56.07%), Mid-way (46.33%) - have a lower percentage of on-time departures than the national average (62.10%).
Design	I used a map because it shows the geographic placement of the different airports. In addition to that I used a count of the flight numbers from these airports to change the size of the dots. To create the pie-chart, I created a calculated variable using the departure delay field to designate whether a flight left on time or not.
Resources	N/A