

Insight 1

<https://public.tableau.com/app/profile/miracle.luke/viz/flightdistance/DistanceDashboard?publish=yes>

This map shows the distance travelled by state flights. From the map, we can see that California Flights travelled the longest distance (32,967,083 km), followed by Texas (23,795,278 km).

West Virginia travelled the shortest distance of 47,325 km.

From the dashboard we can the distance each state flight travels in a month.

I choose this colour scheme because it is not distracting and it is easy to understand.

I used a map because the state contains geographical data and a bar chart to show discreet variables

Insight 2

https://public.tableau.com/app/profile/miracle.luke/viz/DepartureDelays_16758366966760/Dashboard1?publish=yes

This shows the number of departure delays for each airlines. Southwest Airlines Co had the most delayed flight departure with 59,437 delayed flight. Virgin America had the least number of delayed flights (2,956).

From the dashboard we can see the distribution of delayed flight for each day of the week. Most delays in departure happens on day 3.

I chose this colour scheme because it does not distract from the main point of the visualisation.

Line chart was used so as to show the changes in each day of the week and a bar chart to show difference in departure delay for each airline.

Insight 3

<https://public.tableau.com/app/profile/miracle.luke/viz/CancelledflightsbyAirlines/cancelledflightsbyairlines?publish=yes>

This visual highlights the number of cancelled flight for each airlines. Southwest Airlines Co had the highest with 59,437 cancelled flights and 11,660 security delays. and Virgin America had the least number of cancelled flight of 2,978 with 578 security delays.

I chose this colour design because it makes the visual easy to understand.

I used a bar chart so I could compare arrival delays for each of the airlines.