

2015 Flight Delays and Cancellations in the USA.

You can visit entire dashboard from here:

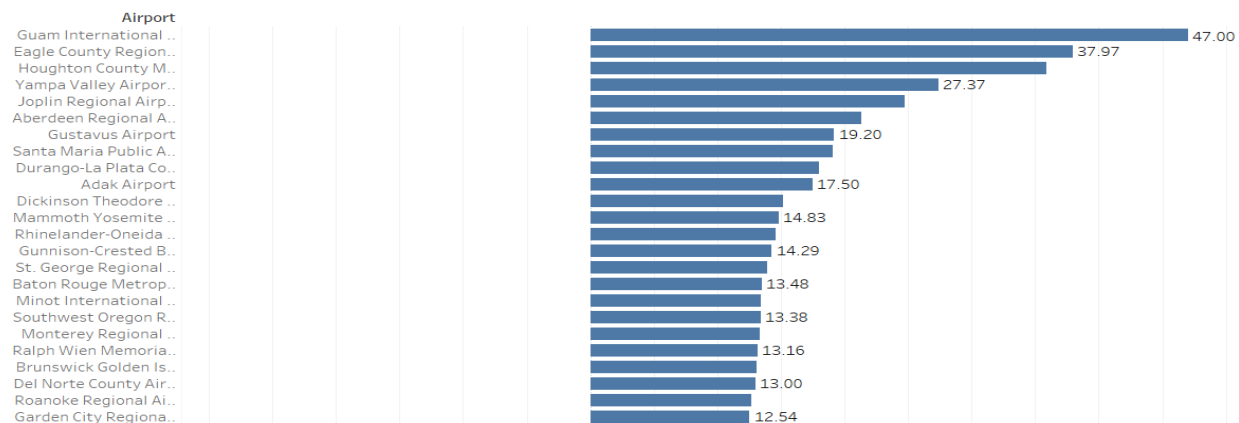
https://public.tableau.com/views/flight_16617321141490/2015FlightDelaysandCancellations?:language=en-US&publish=yes&:display_count=n&:origin=viz_share_link

Insight 1

https://public.tableau.com/views/flight_16617321141490/Sheet4?:language=en-US&publish=yes&:display_count=n&:origin=viz_share_link

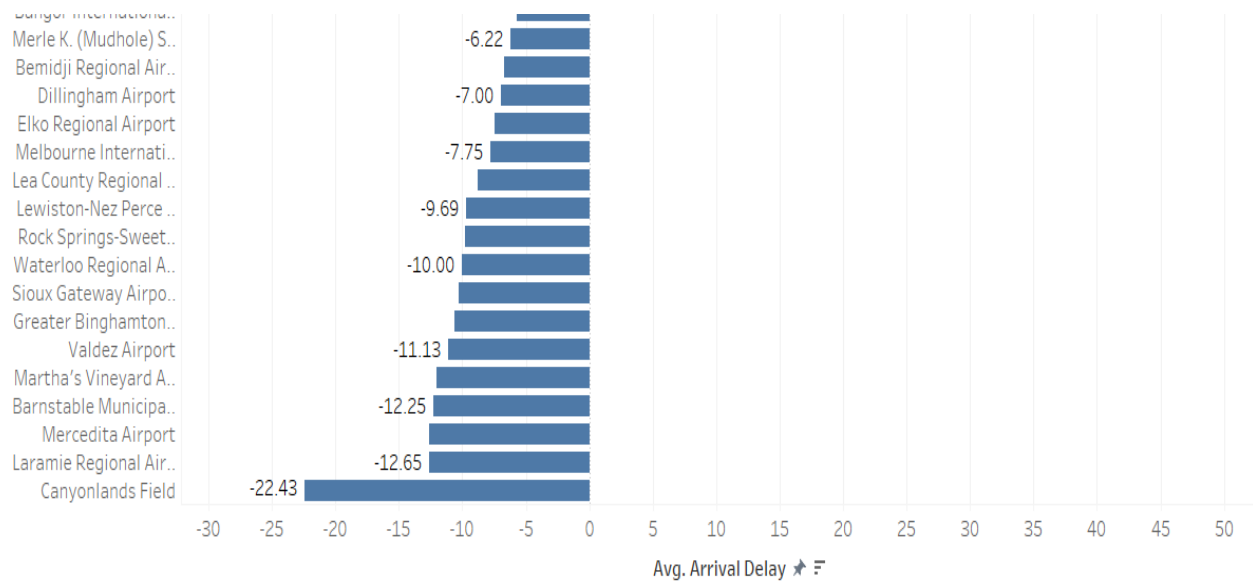
What is the most Airport have AVG Arrival Delay?

Avg Arrival Delay by Airport



This bar chart determine that:

- The **“Guam international airport”** have most avg arrival delay with (47) minutes later in average.
- The **“Eagle Country Region airport”** with (37.97) minutes later in average.



Otherwise:

- “**Canyonlands field**” airport have the best avg arrival delays with (22.43) minutes earlier in average.
- “**Laramie Regional Airport**” with (12.65) minutes earlier in average.

Design:

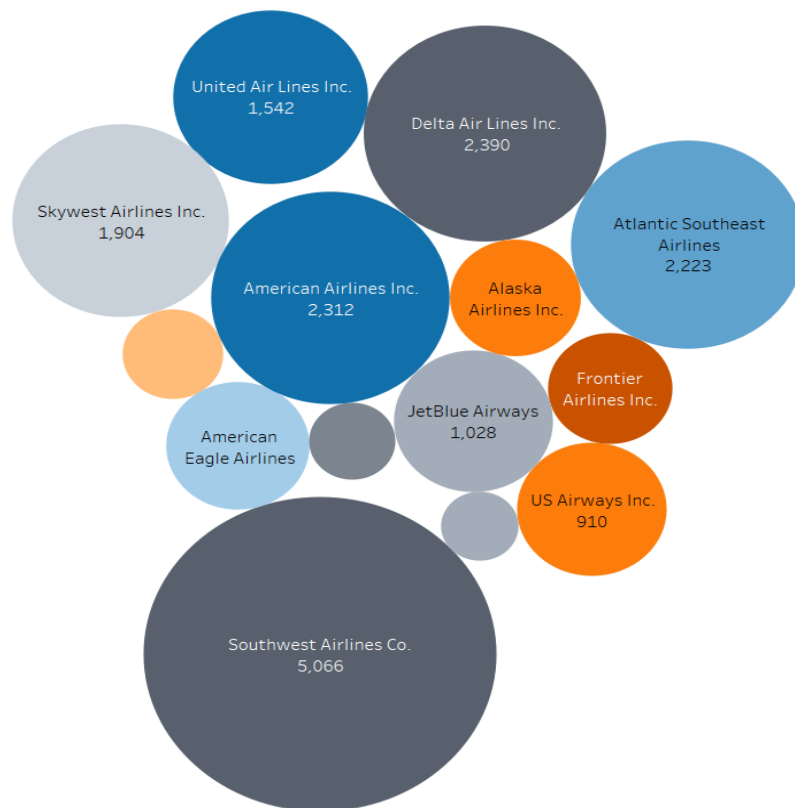
- A **Bar Chart** is the best here because I want to see the average of delays per each airport.

Insight 2

https://public.tableau.com/views/flight_16617321141490/bubblechart?:language=en-US&publish=yes&:display_count=n&:origin=viz_share_link

Which Airline had most number of Flights?

Number of Flights by Airline



This bubble chart determine that:

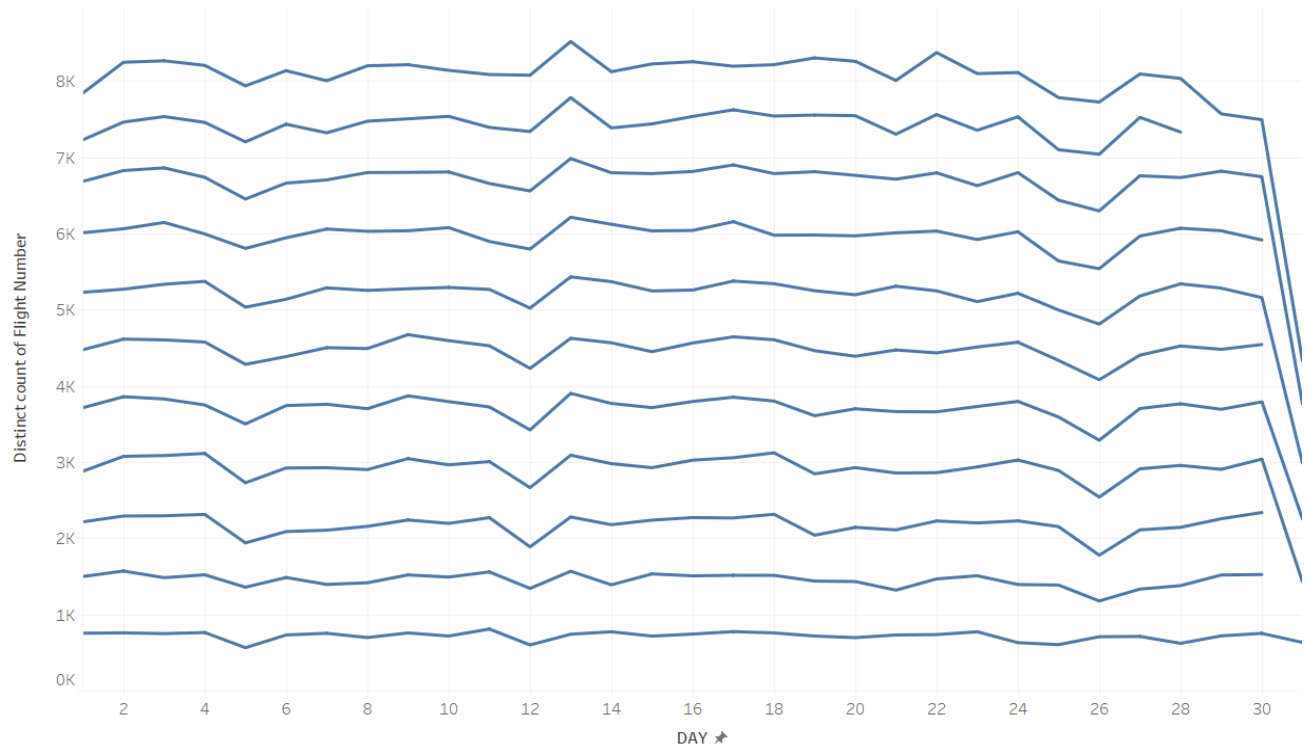
- the “**Southwest Airlines Co**” had most number of flights with(5066) flight per year.
- the Airline “**Vergin America** ” (dark brown bubble) have the fewest number of flights with (244) flight per year.
- **Design:**
- Here I used the **bubble chart** to compare the number of each airline flights based on the bubble size to be easy to understand

Insight 3

https://public.tableau.com/views/flight_16617321141490/linechart?:language=en-US&publish=yes&:display_count=n&:origin=viz_share_link

which day have increasing in flights number ?

count of flights per day of month



From this line chart I can understand the pattern from this data and I see that:

- Flights increase every month in days (12,26).
- Flights decrease in days (4,11,25,31).

Design:

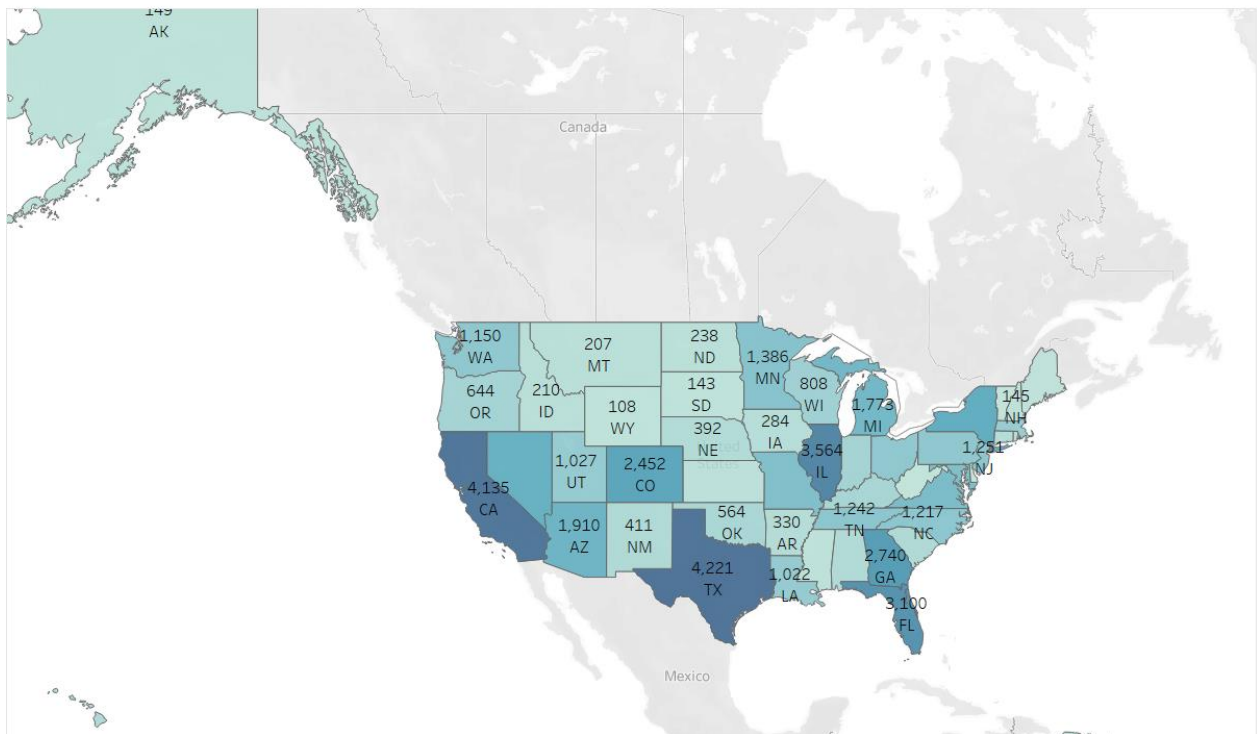
- I used line chart here to display the pattern of changes in number of flights through 30 days in 12 month.

Insight 4

https://public.tableau.com/views/flight_16617321141490/map?:language=en-US&publish=yes&:display_count=n&:origin=viz_share_link

Which State have greatest number of flights?

Count of Flights by State



From this **map chart** I can note that:

- “CA” have most number of flights with (4135)
- “TX” with (4221) flight per year.

Design:

- I am sure that the **map chart** is the most suitable to present which state have the most number of flights.

Resources:

- N/A