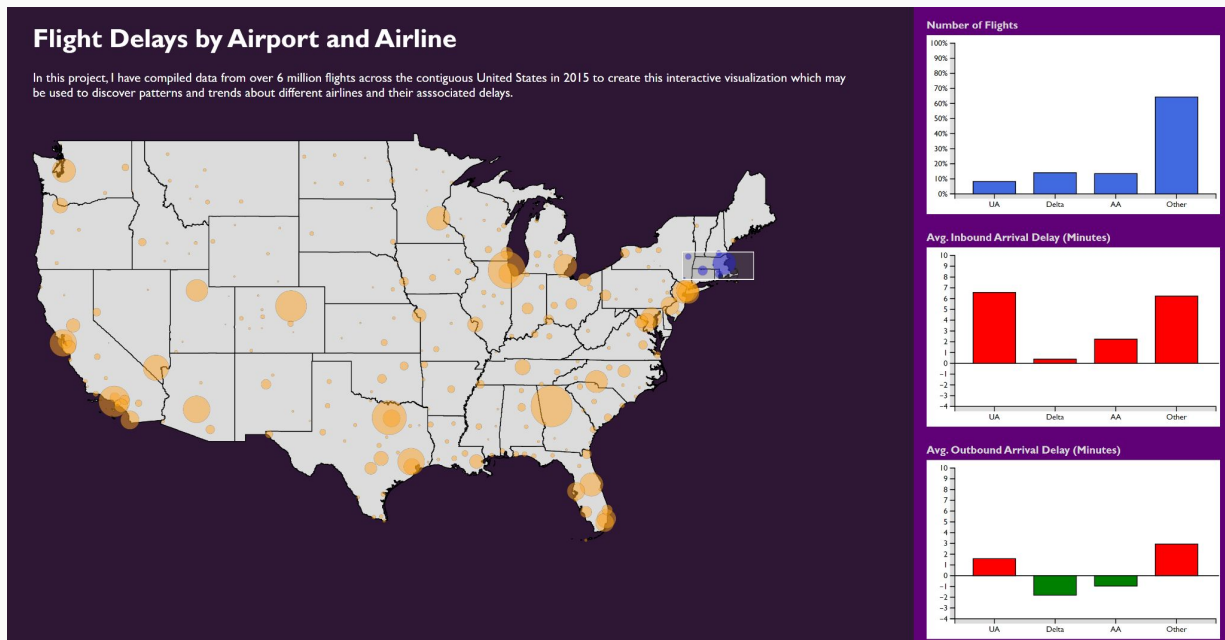# Flight Delays Data

By Stephen Malacaria

Datasets

- Flights (~6 million)
  - Airline Code
  - Departure Airport Code
  - Arrival Airport Code
  - Arrival Delay (minutes)
- Airports (323)
  - Code
  - Name
  - Coordinates
- Airlines (15)
  - Code
  - Name

Final Visualization

https://smala017.
github.io/smala01
7/FlightData/index
.html

Data Manipulation

- Too many columns to load into d3
  - Had to trim off all but 4 columns of the flights dataset in order to load it into d3

- Pre-processing of statistics by airport
  - 6 million rows was too much to process live during the d3 animation
  - Instead of processing every flight live, I calculated the relevant summary statistics for each airport.

Future Work

- Show more data
  - In particular, I was hoping to show a map of flights by each airline, so that we could see the airports that were hubs for each airline
- Increased usability
  - More tools to select flights besides just brushing
  - More customizability of what data gets shown.