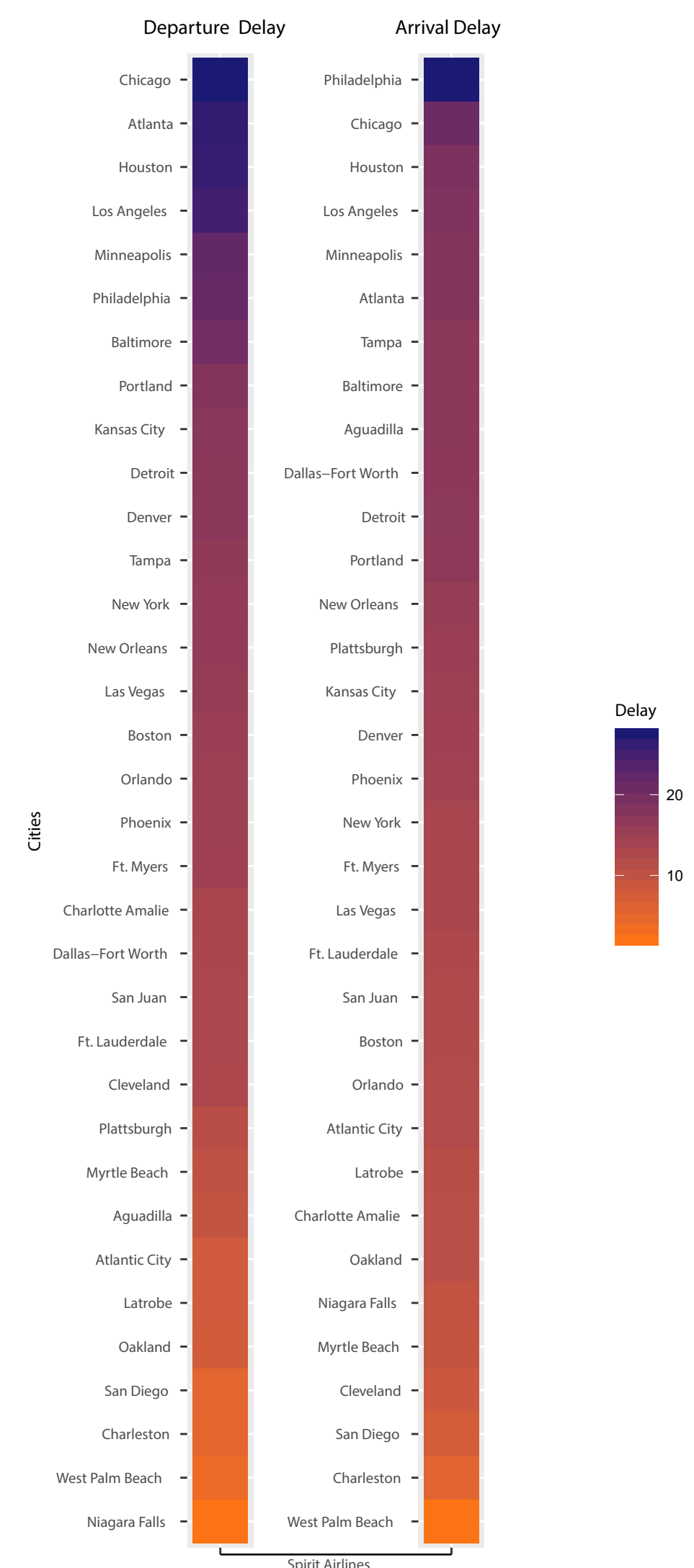


UNITED STATES AIRLINE SERVICES

By: Raghav Raheja

IST 719 - Information Visualization

Which airport has the highest delay at arrival and departure ?



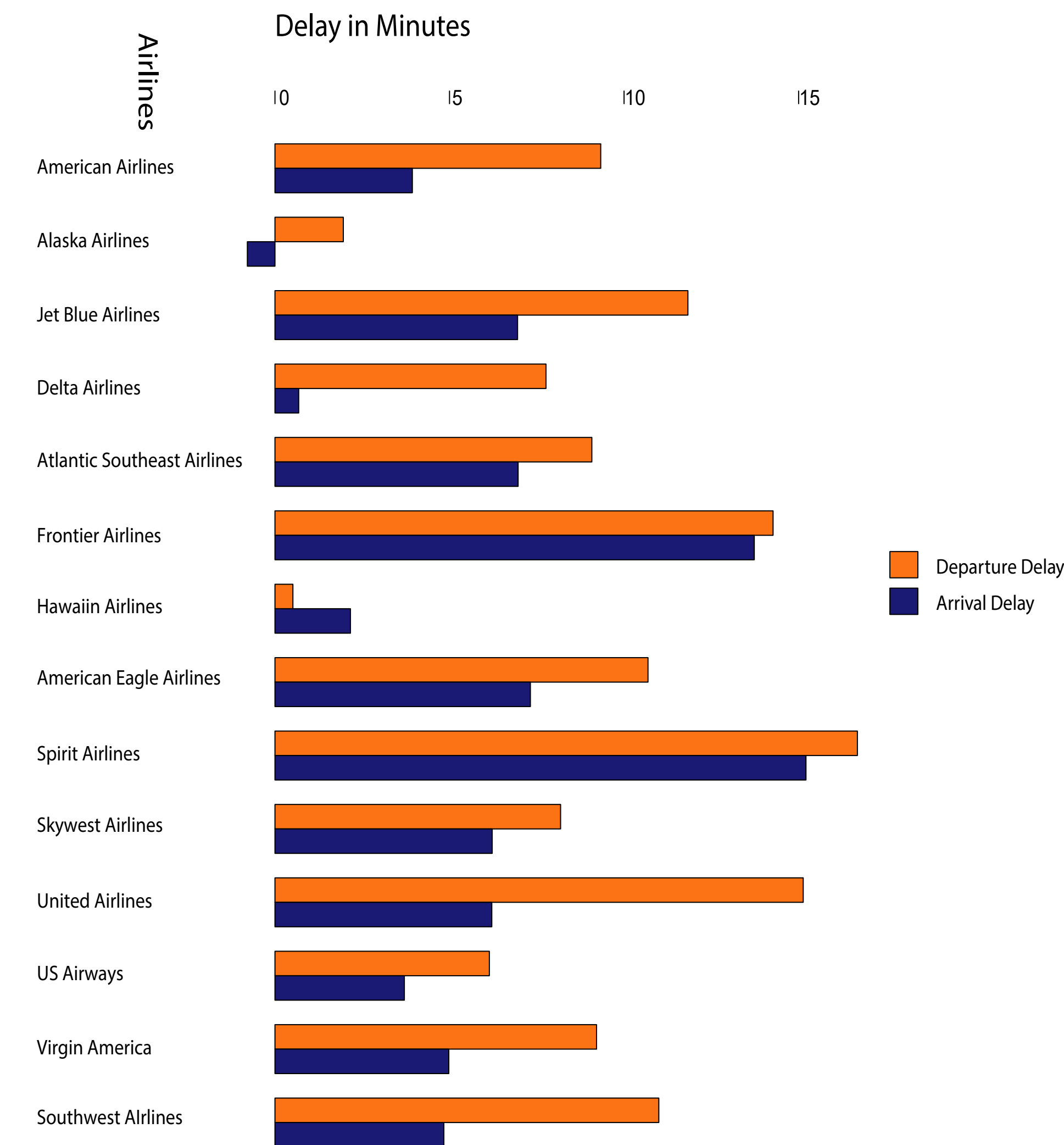
Story and Audience

Everyday thousands of people travel from one city to another in United States and a number of times they have to waste a lot of their time waiting for the flight. I would like to answer the questions related to delay through visualization. This audience for this analysis would be people who travel for work, leisure or just for the sake of travelling, this can also be used by the airlines to see if they can somehow improve their performance.

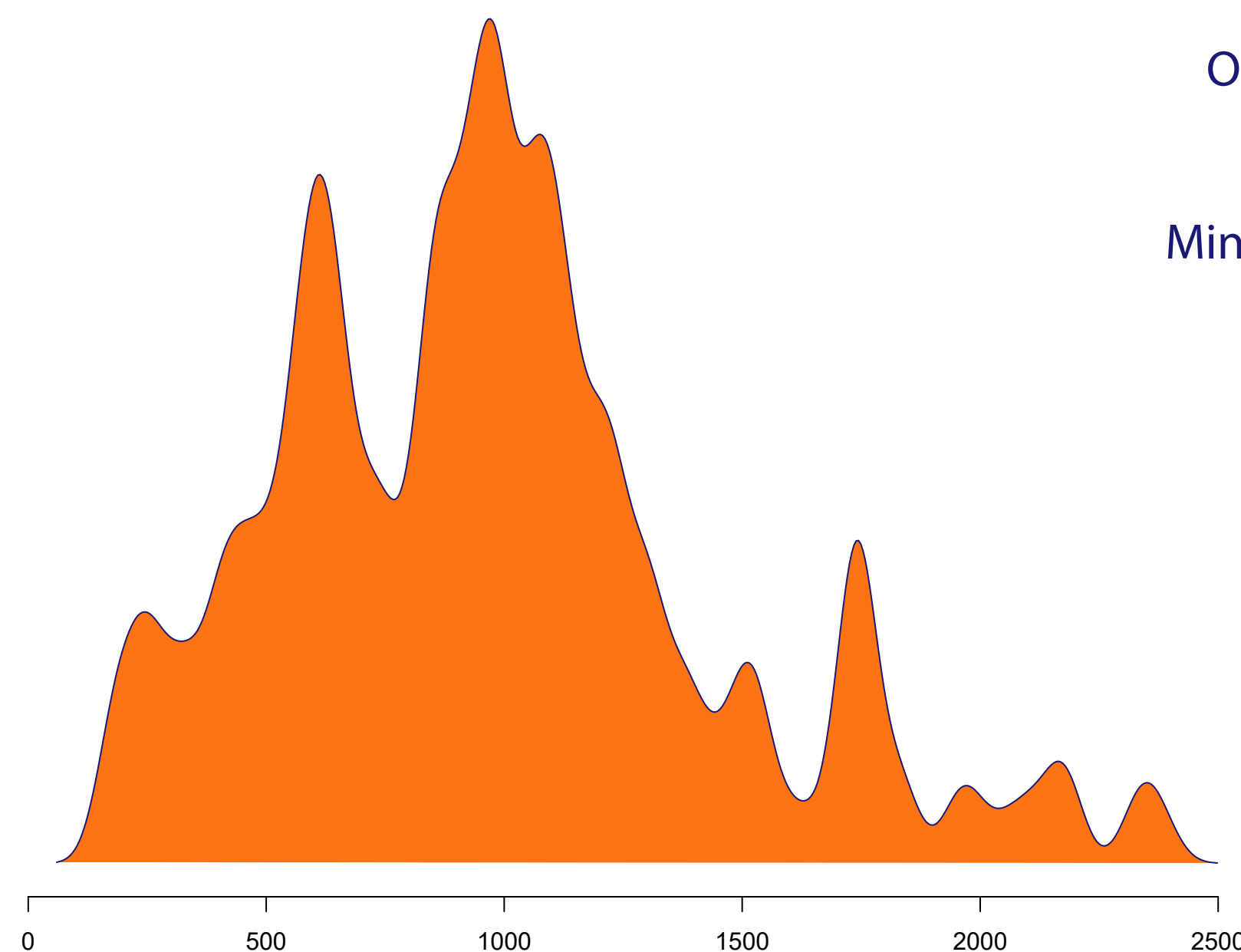
Dataset and Approach

There are 5819079 rows and 31 columns. I did not remove all the NAs all together, I removed from the columns I wanted to use. I tried to find which airline has the highest delay. The next step was to see on which routes and airport is this delayed faced the maximum. I am also trying to use a one dimensional plot of the distance covered by this airline to see if it is effected by distance using the libraries such as ggplot 2 and igraph.

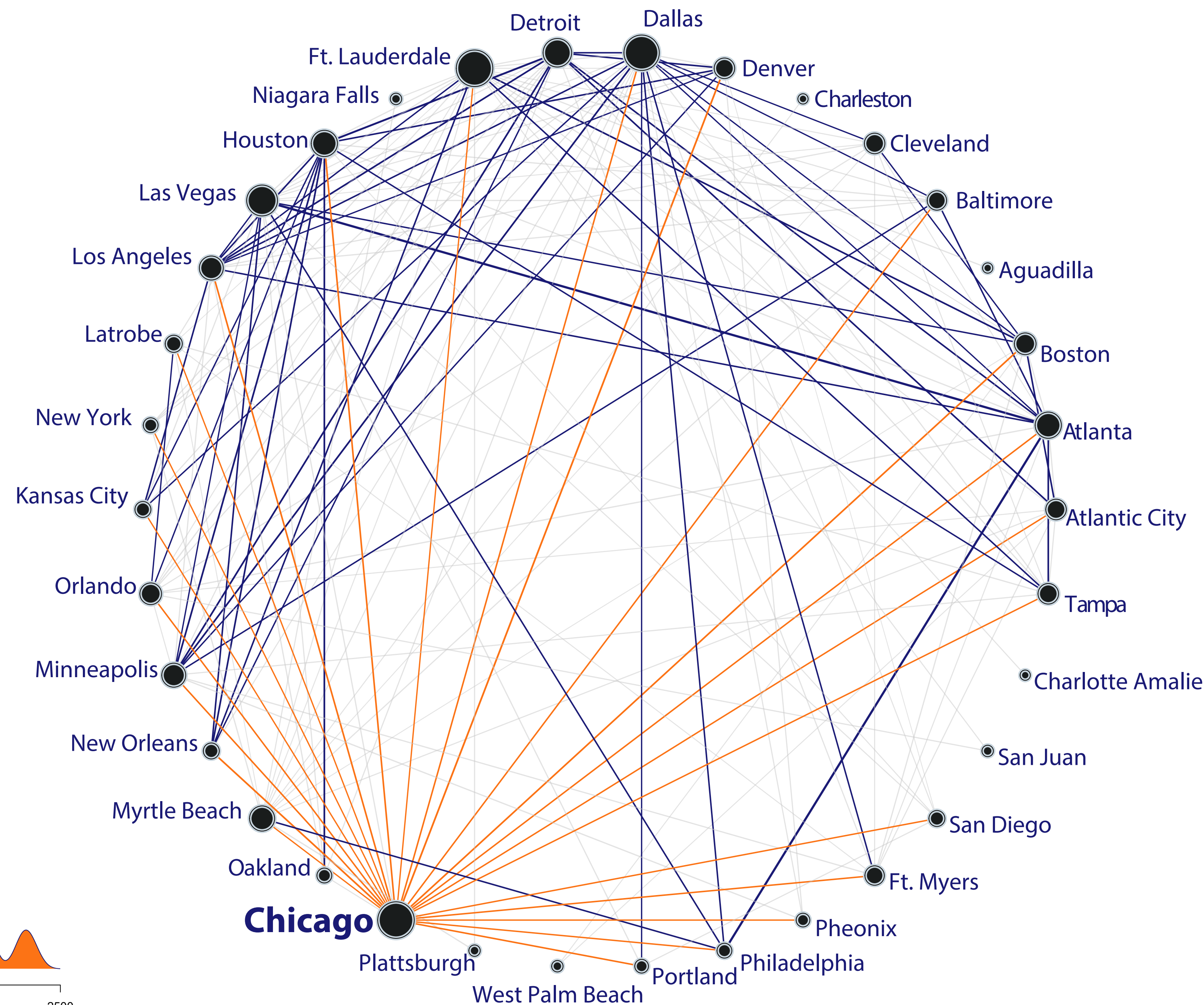
Which Airline has the highest delay ?



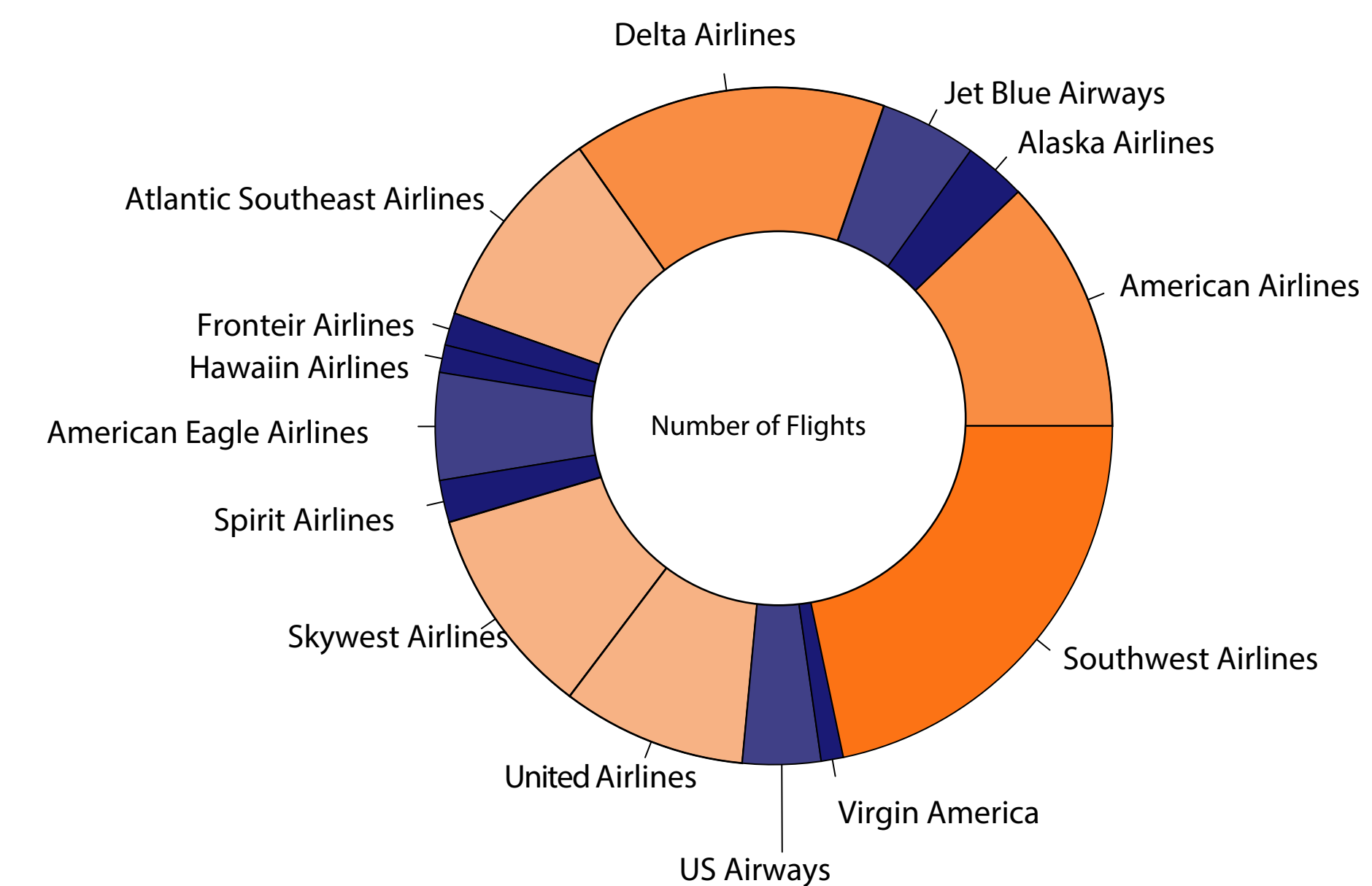
How much distance is covered by Spirit Airlines ?



Which routes have the highest delay for Spirit Airlines ?



What is the proportion of flights operated by each Airline ?



Data Source: kaggle.com/usdot/flight-delays