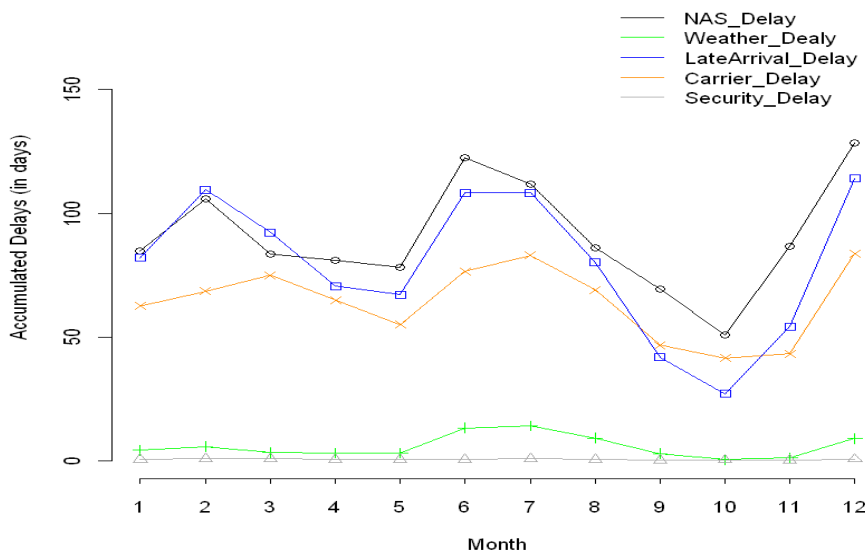


# U.S. Airline Flight Delay Analysis for 2008

Fig1: Delays by categories during a year



- When in a year tend to have high delays?

- ✚ Flight delays tend to increase as it comes to winter and summer holiday (i.e. December and June) and then decrease after those periods
- ✚ NAS, Late Arrival and Carrier delay are the top common causes for significant delays
- ✚ Weather and Security delay play a very little role in contributing to the overall delay and are relatively stable across the year

- Where do extreme delays tend to occur?

- ✚ The purple circle and code size on the right figure indicate the number of visits (departures & arrivals) that U.S. Airway had at that airport over the year 2008
- ✚ PHX, CLT, and PHL are the most frequently visited airports by the U.S. airline
- ✚ As a result of the high traffic volume at these three airports, high-to-severe level delays are more likely to occur here

Fig2: High Delays vs. Airline Visits?

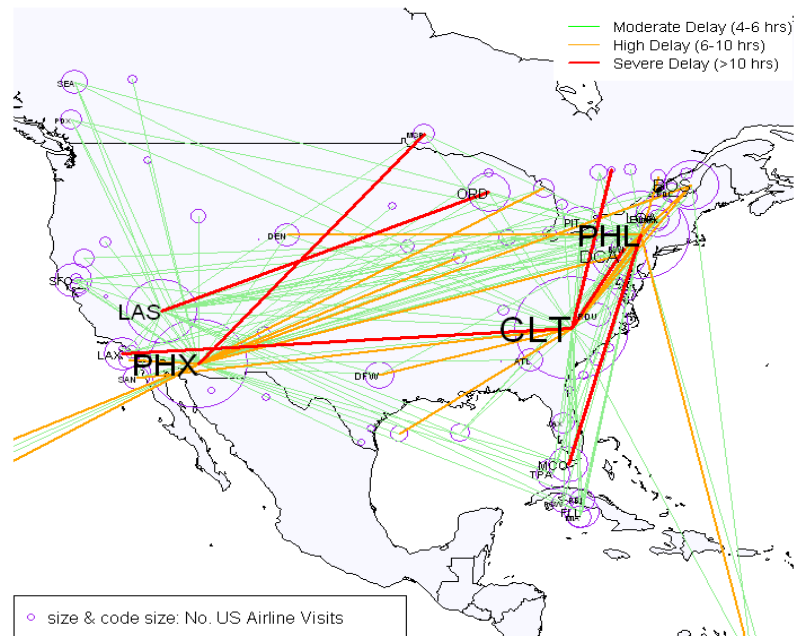
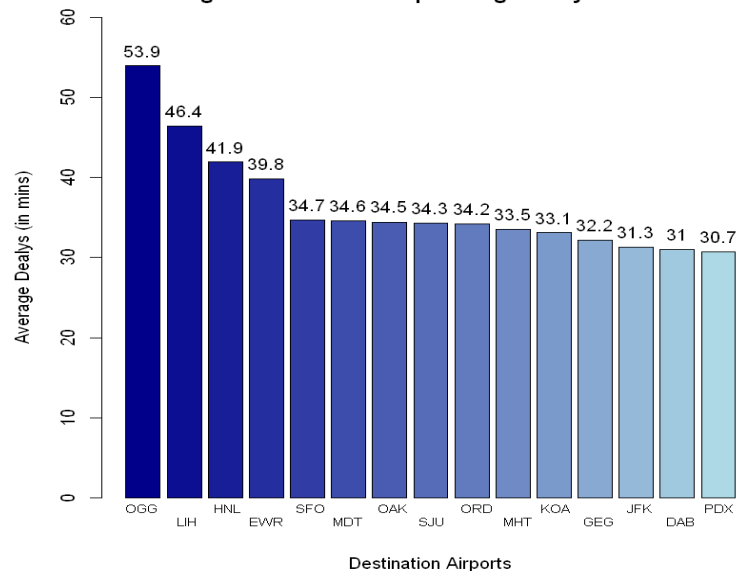


Fig3: Where do the top average delays occur?



- On average, are PHX, CLT, and PHL still the “worst” airports with greatest delays?

- ✚ Although extreme delays tend to occur at these three airports, in terms of average delays (total delays/total flights), they are not even within the top 15 airports list!
- ✚ The top 3 airports that have the largest average delays are OGG, LIH and HNL