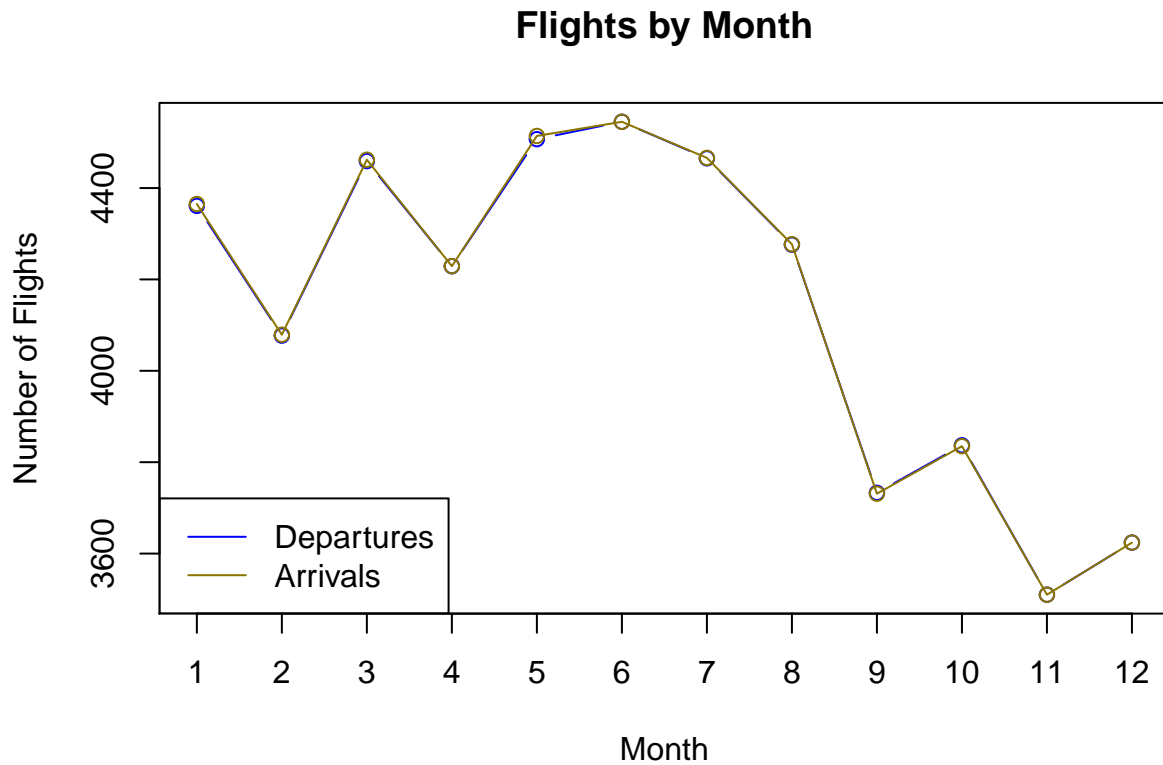


Exercises 2: Flights at ABIA

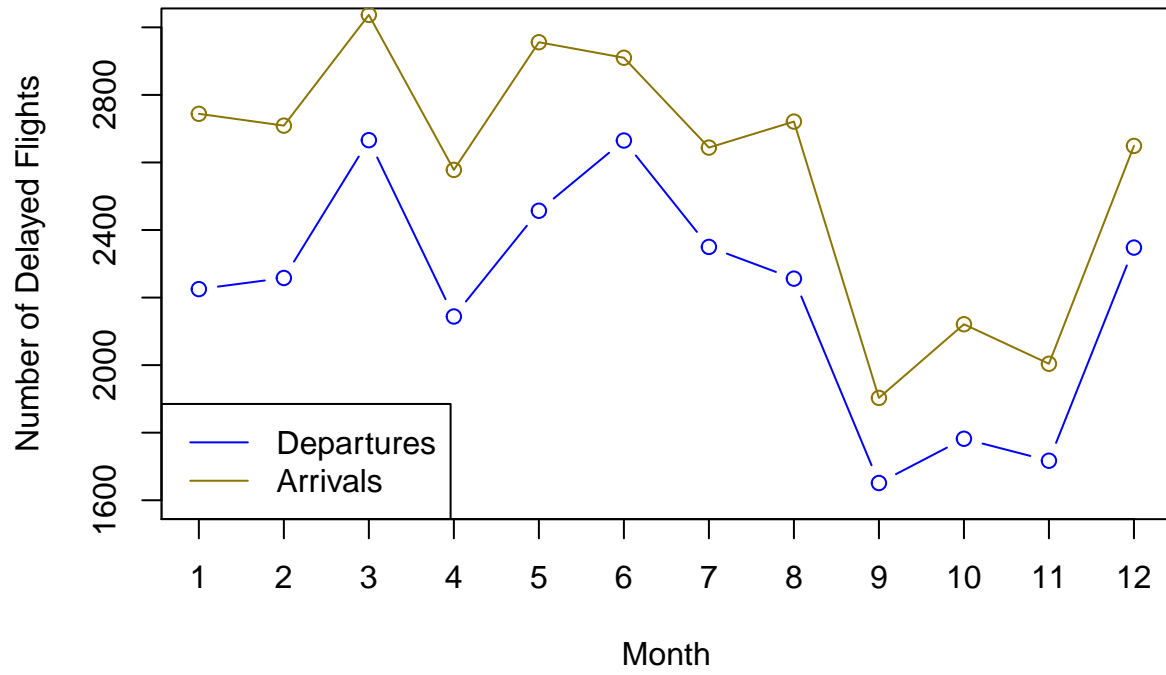
Brooks Beckelman, Zack Bilderback, Davis Townsend

Our goal in exploring this data set is to provide analysis that allows one to make choices that optimize his or her air travel experience. This means discovering the best and worst times of year to fly, the best and worst times of day to fly, and the best and worst airlines to fly with.

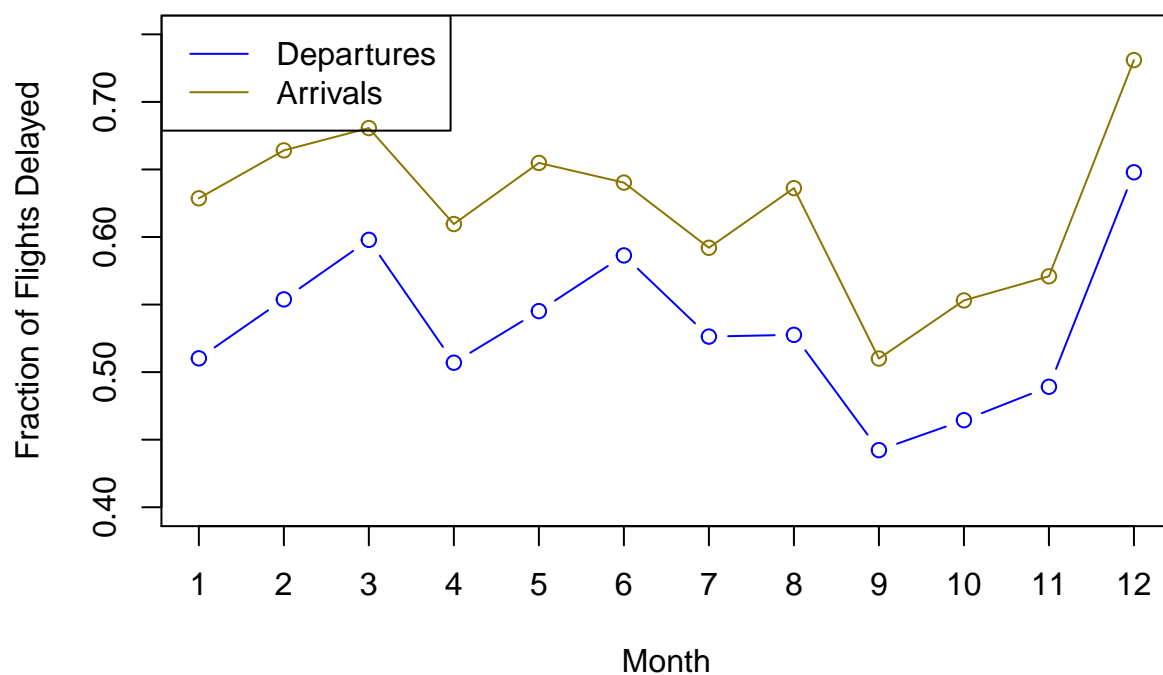
Time of Year



Delays by Month



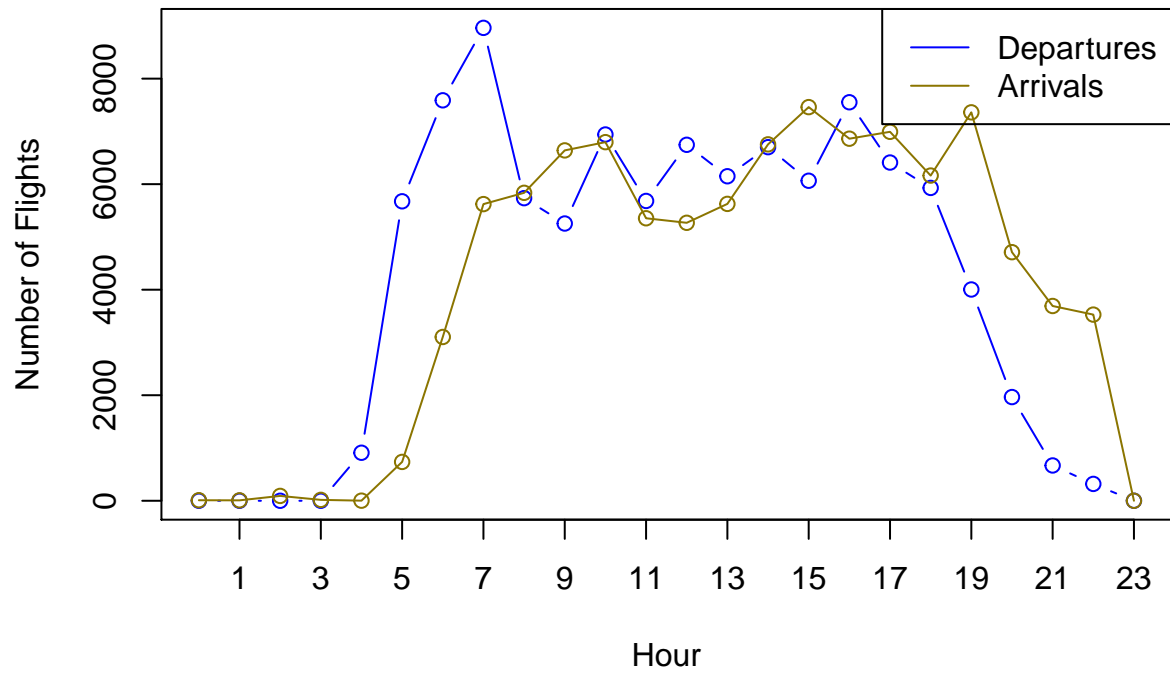
Fraction of Flights Delayed by Month



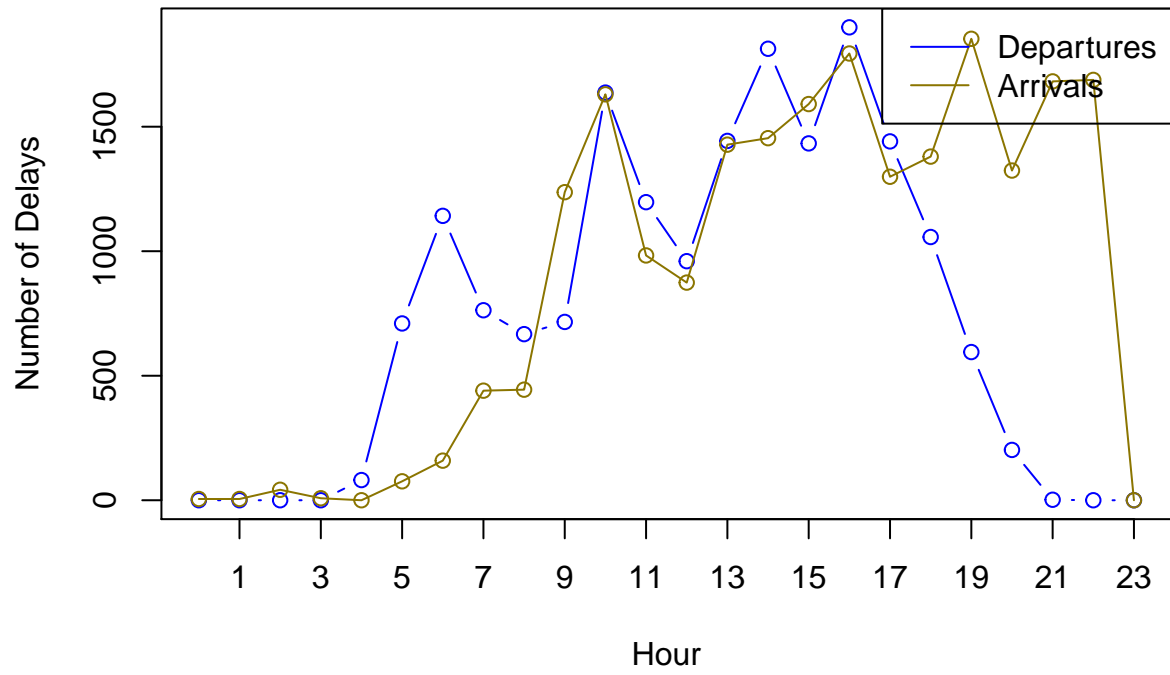
These plots outline flights on a monthly basis. It seems that the best time to fly to avoid delays is between September and November. December appears to be the month when a flight is most likely to be delayed.

Time of Day

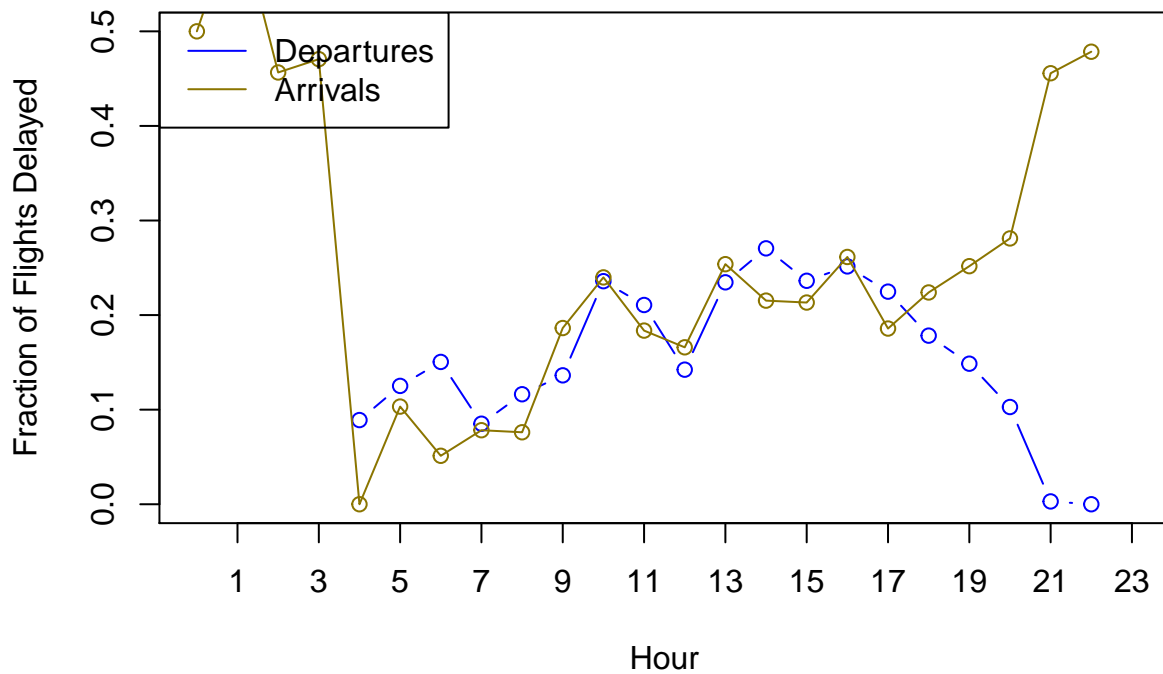
Flights by Scheduled Departure/Arrival Time



Delays by Scheduled Departure/Arrival Time



Fraction of Flights Delayed by Scheduled Departure/Arrival Time

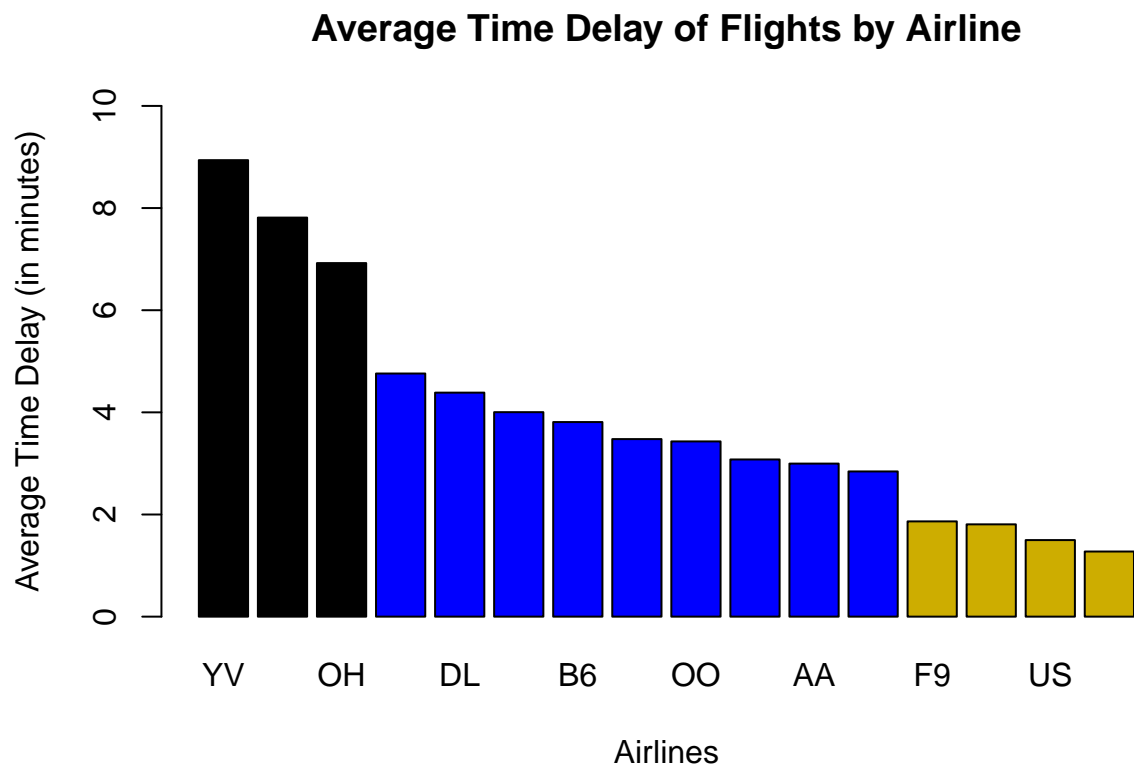
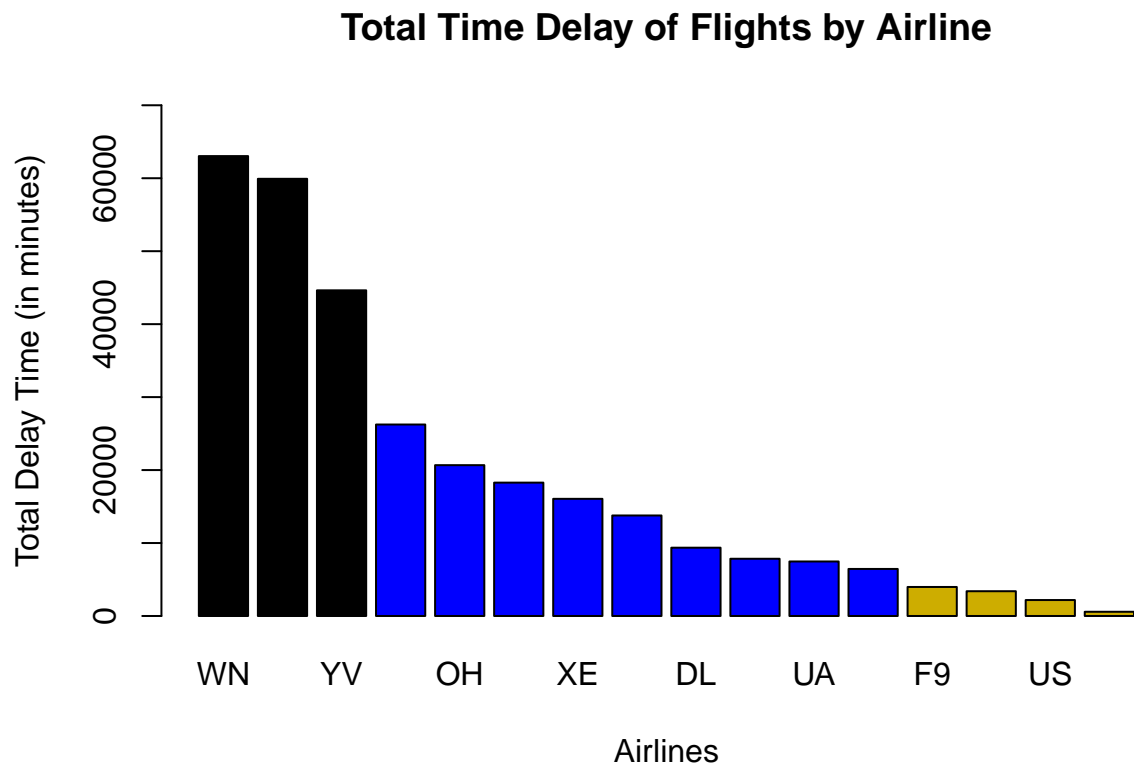


These plots break down flights by scheduled departure and arrival times on an hourly basis. Hour 0 corresponds to all flights departing/arriving between 12 AM and 12:59 AM, hour 1 corresponds to flights between 1 AM and 1:59 AM, etc. It seems that flights scheduled to depart early in the morning and late at night are the least likely to be delayed. However, there are a limited number of flights late at night.

Airlines

When examining airlines, we will consider two factors: delays and cancellations.

Delays



Cancellations

