

Find the proportion of flights delayed. A flight is delayed if the delay is greater than 15 minutes. Compute the fraction of delayed flights per month in the year 2008. The delay could be any kind of delay (carrier delay, weather delay, etc)

Hint:

- A flight is delayed if the delay is greater than 15 minutes.
- $\text{delay} = \text{arrival time} - \text{scheduled arrival time}$
- Compute the fraction of delayed flights per different time
- granularities (hour, day, week, month, year)

(let's focus on a month)

Foreach month:

- compute the total number of flights
- compute delay relation: only those flights with delay > 15 min appear here
- compute the total number of delayed flights
- output relation: month, ratio delayed/total

You need to calculate:

- Fraction delay from the departure
- Fraction delay due to carrier
- Fraction delay due to weather