Analysis of Flights

I will be analyzing the flights data set and answering various prompts

Libraries

```
library(dplyr)
```

```
##
## Attaching package: 'dplyr'
```

```
## The following objects are masked from 'package:stats':
##
##     filter, lag
```

```
## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
```

```
library(readr)
library(memoise)
```

```
## Warning: package 'memoise' was built under R version 4.4.3
```

Data set

```
flights = as_tibble(data.table::fread("https://github.com/Rdatatable/data.table/blob/mas
flights
```

```
## # A tibble: 253,316 x 11
##     year month   day dep_delay arr_delay carrier origin dest  air_time distance
##    <int> <int> <int>     <int>     <int> <chr>   <chr>  <chr>    <int>    <int>
##  1  2014     1     1        14        13 AA      JFK    LAX        359     2475
```

```
##  2  2014     1     1        -3        13 AA      JFK    LAX        363     2475
##  3  2014     1     1         2         9 AA      JFK    LAX        351     2475
##  4  2014     1     1        -8       -26 AA      LGA    PBI        157     1035
##  5  2014     1     1         2         1 AA      JFK    LAX        350     2475
##  6  2014     1     1         4         0 AA      EWR    LAX        339     2454
##  7  2014     1     1        -2       -18 AA      JFK    LAX        338     2475
##  8  2014     1     1        -3       -14 AA      JFK    LAX        356     2475
##  9  2014     1     1        -1       -17 AA      JFK    MIA        161     1089
## 10  2014     1     1        -2       -14 AA      JFK    SEA        349     2422
## # i 253,306 more rows
## # i 1 more variable: hour <int>
```

Analysis