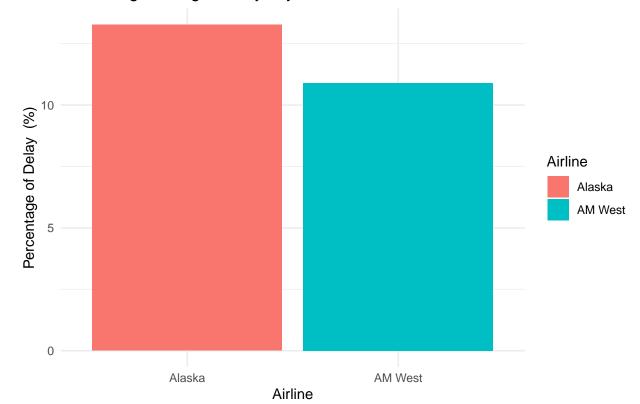
## 607\_Assignment#5

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```
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(ggplot2)
# Read the data from the CSV file
flight_data <- read.csv("https://raw.githubusercontent.com/MRobinson112/assignment-5/main/flightdata.cs
# view the initial rows of the dataset.
head(flight_data)
     Airline
                      City One_Time_Arrivals Delayed_Arrivals X
##
## 1 Alaska Los Angeles
                                         497
                                                           62 NA
## 2 Alaska
                                                           12 NA
                  Phoenix
                                         221
## 3 Alaska
                San Diego
                                         212
                                                           20 NA
## 4 Alaska San Francisco
                                         503
                                                          102 NA
## 5 Alaska
                                                          305 NA
                   Seattle
                                        1841
## 6 AM West Los Angeles
                                         694
                                                          117 NA
# Seperate data by airline and calculate the mean delay
delay_summary <- flight_data %>%
  group_by(Airline) %>%
  summarize(
  Average_Delay = mean(Delayed_Arrivals, na.rm = TRUE),
    Total_Flights = n()
# View the summary
delay_summary
```

## Percentage of Flight Delays by Airline



## # Conclusion

Based on the summary data and the plot, it is evident that Alaska Airlines has the highest average percentage of flight delays among the airlines in the dataset.