

6. What is your guess for the units/format used to record the departure time? Said another way, what would a value of 1517 represent?

7. Write the code to extract the flights that left in the springtime destined for Portland, Oregon? Draw a sketch of this smaller data frame showing at least the columns used in the filter.

8. What line of code would you use to create a new column that records TRUE for flights leaving during or after March 2020 and FALSE otherwise?

9. What line of code would you use to create a column that records the average speed of a plane during its flight, in miles per hour? *Hint: think about the units of the variables needed to complete this mutation, and perform any unit conversion that is necessary.*

10. Provide one `dplyr` pipeline that calculates the mean departure delay for Oakland Airport and the mean departure delay for San Francisco Airport. Provide a sketch of the resulting data structure with correct dimensions.