

Exercise 2 (25pts)

Using the 'departuredelays.csv' file (included), answer the following questions. You'll need to load the data in a dataframe first. Write your code to answer the question. **An answer without code will receive 0 points.**

(a) How many records are in the dataset?

(b) Which flight had the longest delay?

(c) Show all flights between San Francisco (SFO) and Chicago (ORD) with at least an 1 ½ hour delay

(d) How many flights had delays between 2 and 5 hours?

(e) What is the average delay? Distance?

Exercise 3 (50pts)

Using the 'us_population.json' file (included), answer the following questions. You'll need to load the data in a dataframe first. Write the code that you used to answer the question.

An answer without code will receive 0 points.

(a) What is the population of Massachusetts (MA)?

(b) What is the city with lowest population? Highest population?

(c) Which cities have a population that is greater than the average population?

(d) Which state has the highest population? Lowest population?

(e) What is the average population in each state?