Joining Data Homework

This homework gives you practice using the various tools for joining data in R.

1. Solve problem 13.5.1.5 from the textbook.

What does anti\_join(flights, airports, by = c("dest" = "faa")) tell you? What does anti\_join(airports, flights, by = c("faa" = "dest")) tell you?

1. Find the day during 2013 that had the longest average total delay (arrival + departure). Using the weather data, can you shed any light on what happened on that day?
2. Using planes and flights find the airplane models with the fastest average speeds. Which planes are they? Is this surprising? Why or why not?
3. Solve problem 13.4.6.3 from the textbook (on the relationship between the age of a plane and the length of delays).

Is there a relationship between the age of a plane and its delays?