Homework 2:

2-7, 2-8, 2-10, p 26

3-4,  p 35

2.7)

1) There are 16 Variables

2) There are 336776 cases

3) Meaning of a case= A date

4) year = quantitative

month= quantitative

day= quantitative

dep\_time= quantitative

dep\_delay= quantitative

arr\_time= quantitative

arr\_delay= quantitative

carrier = categorical

tailnum = Quantitative

Flights= quantitative

Origin = categorical

Dest = categorical

Air\_time= quantitative

Distance= quantitative

Hour= quantitative

Minute= quantitative

5) distance is in miles, airtime is in minutes

2.8)

a = 3

b = 5

c = 4

d = 2

e = 1

2.10)

- There are 76 variables in CountryData

-

- 23018 cases in WorldCities

- 3rd variable in BabyNames is count

- DEM= DEMOCRAT, REP= REPUBLCAN, UNA= UNAFFILIATED

3.4)

1) function name = filter, group\_by, summarise, sum, aes, geom\_vline, geom\_point, ggplot, ==

2) data table name = BabyNames

3) variable name = year, sex

4) Name of Named argument = YearlyTotal

3.5)

- Brainwt is the Brain weight of the specific case (animal in this data table).

- There are a total of 83 cases

- In general an observation or case returns to a specific unique and similar sort of thing (e.g. person, treatment type…). In this case meaning of a case is the characteristics of a certain animal. Every animal is a different case in this data table.

- The levels of the vore variable are: **carnivore**, **insectivore**, **omnivore**, **herbivore** (4 levels). Some have a N/A vore, so not sure if I should include N/A as a vore variable (I don’t think so though)

3.6)

Statement © is different. Rather than calculating the total number of births using sum(), it finds the mean number of births across all the states in each year/sex group.

4.1)

1. Put the work “one” in italics

2. Put the word “two” in bold face

3. An item in a bullet point list

4. A first-level header

5. The word “five” in a computer font.

6. A second level header

7. A web link showing the word “seven” and linking to the tiny.cc URL

4.5 IS IN THE OTHER HTML ATTACHMENT