

**Week 1 Quiz**

1. The American Community Survey distributes downloadable data about United States communities. How many properties are worth \$1,000,000 or more? 53.
2. Use the data you loaded from Question 1. Consider the variable FES in the code book. Which of the "tidy data" principles does this variable violate? Tidy data has one variable per column.
3. Download the Excel spreadsheet on Natural Gas Acquisition Program. Read rows 18-23 and columns 7-15 into R and assign the result to a variable called: dat. What is the value of:

```
sum(dat$Zip*dat$Ext,na.rm=T)
```

36534720.

4. Read the XML data on Baltimore restaurants. How many restaurants have zipcode 21231? 127.
5. The American Community Survey distributes downloadable data about United States communities. Download the 2006 microdata survey about housing for the state of Idaho using download.file() using the fread() command load the data into an R object DT. The following are ways to calculate the average value of the variable pwgtp15 broken down by sex. Using the data.table package, which will deliver the fastest user time?

```
DT[,mean(pwgtp15),by=SEX]
```