Stat 104 – Homework 1  
Due Thursday, September 5, 2013

Reading:  
August 27  Chapter 1  
August 29 – September 5  Chapter 2

Assignment:  

1. Complete the following problems from the text: 1.7, 1.19, and 1.25.

1.7 Number of good friends

1.19 Sample with caution

1.25 ESP

(OVER)
2. Quinnipiac University conducted a public opinion survey from July 28th through July 31st, 2013. 1,468 randomly selected registered voters from across the United States were contacted by telephone and asked the question, “Some states have a law that says a person is legally entitled to fight back with deadly force if they feel threatened, even if they could retreat instead. Do you support or oppose this law for your state?” 53% of the people contacted said they support, 40% said they oppose, and 7% were unsure. The poll has a margin of error of plus or minus 2.6 percentage points. There are more than 150 million registered voters in the United States.

a) Identify

- The population
- A population parameter
- The sample
- A sample statistic that tells you something about the parameter you identified above and give its value.

b) Use the sample statistic and the margin of error to make a statistical inference about the population parameter.