

Stat 104 – Homework 1
Due Tuesday, September 1, 2009

Reading: August 25 Chapter 1
 August 27 – September 3 Chapter 2

Assignment:

1. Complete the following problems from the text: 1.7, 1.8, 1.19, 1.24, and 1.25.

2. ABC News and the Washington Post newspaper conducted a public opinion poll from August 13th through August 17th, 2009. 1,001 randomly selected adults from across the United States were contacted by telephone and asked the question, “Do you approve or disapprove of the way Barack Obama is handling his job as president?” 57% of the people contacted answered that they approve, 40% answered that they disapprove, and 3% were unsure. The poll has a margin of error of plus or minus 3.5 percentage points.
 - a) Identify the population.
 - b) Identify a population parameter of interest.
 - c) Identify the sample.
 - d) Identify a sample statistic that tells you something about the parameter you identified in b) and give its value.
 - e) Explain how the margin of error provides an *inferential* statistical analysis.