

Math 203 – Focus Questions for Chapter 5

1. What is bias?

2. What is variability?

3. What is meant by a placebo, and what is its purpose?

4. What is the difference between the population and the sample in a survey or experiment?

5. What is meant by a simple random sample of n people from a population?

6. Describe the two kinds of blindness commonly used in an experiment which will be statistically analyzed.

7. Describe the typical uses and effects of randomness in a survey or experiment.

8. Discuss whether and how the following affect bias and/or variability:
 - (a) blindness (single or double)
 - (b) randomness
 - (c) sample size

9. What is confounding? Give an example.