Ch 2 IN SEARCH OF GOOD DATA

Sec. 2.1 Developing a Thesis

1. Create a Mind Map that has at least 3 levels. The Mind Map could be about any topic in the NFL.

2. Create 5 questions related to the topics found in the Mind Map. Refine the questions as you go along narrowing a topic of interest for a thesis question.

3. Write a well thought out Thesis Question . The question must clearly show the two variables of interest. The variables should be measured statistically. The question should be interesting.

Sec. 2.2 Characteristics of Data

4. Identify your two variables. Write them down. _____ vs _____\

5. Identify the population found in your thesis question. Mention the size of the population.

6. State a sample that could be taken from your population. Mention the size of the sample.

7. What kind of study should be used on the variables in your thesis question?
   (Ie. Cross-sectional or Longitudinal) Make sure you explain and define these types of study.

8. Describe your variables as either quantitative or qualitative. Explain.

9. Describe your variables as either discrete or continuous. Explain.

Sec. 2.3 Collecting Samples

10. Describe how you would collect a sample from your population that avoid bias.
    Actually conduct the sample method and show some of the data collected from the sampling method.
    For example, from your population, conduct a random sample of the data. Describe your steps.
    Do each of the sampling methods.

A. Random Sampling Method B. Systematic Random Sampling

C. Stratified Sampling Method D. Cluster Random Sampling. E. Multi-Stage Random S ampling