

Dem 2414: Research and Statistical Methods of Research

Tutorial Questions

1. Define Statistics?
2. Explain the importance of statistics?
3. State the common uses of statistics?
4. Briefly explain the two types of statistics?
5. Define what literature review is and explain its importance?
6. Explain each of the following terms and state their application to the real world?
 - a. Mean
 - b. Median
 - c. Mode
7. What are some of the strengths and weakness for the mean, median and mode?
8. What are the characteristics of objectives?
9. Define the term hypothesis and state the characteristics of a good hypothesis?
10. Define the following terms and show the formulas?
 - a. Range
 - b. Variance
 - c. Standard deviation
 - d. Coefficient of variation
11. Define the term measurement and briefly explain the scale of measurement?
12. Define the following terms and give examples?
 - a. Operational definition
 - b. Conceptual definition
13. Define the term research design and briefly state the types of research design?
14. Define the term probability and briefly explain the types of probability?
15. Elucidate the axioms of probability?
16. State the uses and application of probability?
17. What is sampling design and briefly explain the types of sampling design?