

UNITY UNIVERSITY

Part 1. True or False Questions (10 marks)

Write true if the statement is correct and false if the statement is not correct on the answer

sheet provided (1mark each)

1. Estimating confidence intervals for population is inferential statistics."
2. The normal distribution experimental outcomes are continuous.
3. Inferential statistics makes generalization about population based on sample information
4. The number of cars in Ethiopia is discrete variable.
5. Probability value cannot be greater than 1
6. Relative probability estimate the occurrence of events based on past experience.
7. Poisson distribution assumes the occurrence of events in a given interval of time or space.
8. The joint probability of mutually exclusive events is equal zero.
9. Multiplication rule is used to determine the joint probability of mutually exclusive events.
10. Hypothesis cannot be proved but be tested F

Part II. Matching (10 marks)

Match column A with column B. Write the letter of your answer on the answer sheet provided (2mark each)

A

1. The set of all possible outcomes
2. Number of new accounts per year
3. A particular result of an experiment
4. Probability revised based on new information
5. The mean, median and mode are equal

B

- A. Normal distribution
- B. Posterior probability
- C. Outcome
- D. Discrete variable
- E. Sample space
- F. Sample space outcome
- G. Continuous variable