

Model-6 Statistics

- 1 . Which of the following is a branch of statistics?
 - A. Descriptive statistics
 - B. Inferential statistics
 - C. Industry statistics
 - D. Both A and B

2. Find the median of the call received on 7 consecutive days 11,13, 17, 13, 23,25,19
 - A. 13
 - B. 23
 - C. 25
 - D. 17

3. When the Mean of a number is 21, what is the Mean of the sampling distribution?
 - A. 21
 - B. 18
 - C. 27
 - D. 23

4. Find the variance of the given data set: 3,9,5,6,7
 - A. 1
 - B. 3
 - C. 4
 - D. 5

5. Which of the following values is used as a summary measure for a sample, such as a sample mean?
 - A. Population parameter
 - B. Sample parameter
 - C. Sample statistic
 - D. Population mean

6. What are the variables whose calculation is done according to the weight, height, and length known as?
 - A. Flowchart variables
 - B. Discrete variables
 - C. Continuous variables
 - D. Measuring variables

7. What is the scale applied in statistics, which imparts a difference of magnitude and proportions, is considered as?

- A. Exponential scale
- B. Ratio scale
- C. Goodness scale
- D. Satisfactory scale

8. What is true about Statistics?

- A. Statistics is used to process complex problems in the real world
- B. Statistics is used to process simple problems in the virtual world
- C. Statistics is used to process simple problems in the real world
- D. None of the above

9. SciPy stands for?

- A. science library
- B. source library
- C. significant library
- D. Scientific Python library

10. An observation point that is distant from other observations

- A. percentage
- B. outliers
- C. overfitting
- D. percentile

11. Which is a measure of the width of a distribution

- A. Variance
- B. Mean
- C. Median
- D. Mode

12. Which is completely characterized by mean and variance

- A. Mode
- B. Median
- C. standard deviation
- D. Normal Distribution

13. The parametric statistical tests, like t-test and ANOVA assumes

- A. normally-distributed data
- B. identically-distributed data
- C. randomly-distributed data
- D. overfitting

14. Which is a measure of the asymmetry of the probability distribution of a real-valued random variable about its mean

- A. kurtosis
- B. skewness
- C. Mean
- D. Percentile

15. Point out the wrong statement.

- A. A random variable is a numerical outcome of an experiment
- B. Continuous random variable can take any value on the real line
- C. There are three types of random variable
- D. None of the above

16. Which test can be performance on two or more samples of quantitative data ?

- A. One-way ANOVA
- B. p-test
- C. t-test
- D. chi-square test

17. The major categories of data are

- A. numerical & categorical
- B. NA
- C. NA
- D. NA

Answers :

- 1. D
- 2. D
- 3. A
- 4. C

5. C

6. C

7. B

8. A

9. D

10. B

11. A

12. D

13. A

14. B

15. C

16. A

17. A