R Programming – A622

1. Kernel Density plots are used over histogram because it determines the shape of distribution.
A. TRUE
B. FALSE
C. Cannot Say
D. Depends on the data

2. Descriptive analytics include _____.
A. Optimal Decision Making
B. Data queries
C. Data dashboards
D. Both Data query and data dashboards

3. What is valid for confidence interval?
A. A confidence interval between 20% and 40% means that the population proportion lies between 20% and 40%
B. A 99% confidence interval procedure has a higher probability of producing intervals that will include the population parameter than a 95% confidence interval procedure
C. An approximate formula for a 95% confidence interval is a sample estimate ± margin of error
D. A confidence interval is an interval of values computed from sample data that is likely to include the true population value

4. What is the formula for calculating the confidence interval in confidence interval estimation?
A. point estimate – margin of error
B. point estimate + margin of error
C. point estimate ± margin of error
D. point estimate × margin of error

5. Which type of analytics gain insight from historical data with reporting, dashboards, and so on?
A. Decisive
B. Description
C. Predictive
D. Prescriptive

6. What is the output of the following?

`data <- matrix(c(2,1,3,2),2,2)`
`apply(data, 1, sum)`

A. 3,5
B. 4,4
C. 5,3
D. None of these

7. Identify the function that allows you to choose specific columns from large datasets.
A. Filter()
B. Search()
C. Choose()
D. Select()

8. _____ is a modern equivalent of visual communication that involves visual representation of data.
A. Data Visualization
B. Data Graphics
C. Data Charting
D. Data Presentation

9. _____ are used when we want to draw the graph between a numeric and a categorical variable.
A. Bar Charts
B. Histogram
C. Boxplots
D. Pie Chart

10. A null hypothesis is denoted by _____.
A. H1
B. H0
C. H2
D. H4

11. Which one of the following options is the opposite of Null Hypothesis?
A. True Hypothesis
B. Alternative Hypothesis
C. Value Hypothesis
D. None of these

12. In _____ hypothesis, there exists a relationship between two variables, one dependent and another independent.
A. Statistical
B. Complex
C. TRUE
D. Simple

13. Which one of the following options does the researcher initially assume in the testing hypothesis?
A. The Alternative Hypothesis is true
B. The Null Hypothesis is true
C. Errors cannot be made
D. The population parameter of interest is known

14. Which one of the following is the left assignment?
A. age<-18
B. age->18
C. 18->age
D. 18<-age

15. Which one of the following options is not a feature of CRAN?
A. Allows updating packages with open source license
B. Allows to upload self-built packages
C. Allows downloading any package
D. Allows updation without open source license