

Data Analysis MCQ PDF

1. Which of the following is not a major data analysis approaches?

1. Business Intelligence
2. Predictive Intelligence
3. Data Mining
4. Text Analytics

Answer: Predictive Intelligence

2. _____ is the cyclical process of collecting and analyzing data during a research study.

1. Constant analysis
2. Extremis Analysis
3. Interim Analysis
4. All of the above

Answer: Interim Analysis

3. _____ are the basic building blocks of qualitative data.

1. Data chunk
2. Categories
3. Numeric figures
4. None of the above

Answer: Categories

4. The Process of describing the data that is huge and complex to store and process is known as _____

1. Analytics mining
2. Big data
3. Data cleaning
4. None of the above

Answer: Big data

5. In descriptive statistics, data from the entire population or a sample is summarized with ____.

1. Decimal descriptor
2. Numerical descriptor
3. Integer descriptor
4. All of the above

Answer: Numerical descriptor

6. Data Analysis is a process of?

1. inspecting data
2. transforming data
3. cleaning data
4. All of the above

Answer: All of the above

7. A good data analytics solution includes a viable self-service _____.

1. Data warehouse
2. Data mining
3. Data wrangling
4. None of the above

Answer: Data wrangling

8. To glean insights from the data, many analysts and data scientists rely on _____.

1. Data warehouse
2. Data visualization
3. Data mining
4. All of the above

Answer: Data visualization

9. _____ refers to the ability to turn your data useful for business.

1. Velocity
2. Variety
3. Value
4. None of the above

Answer: Value

10. Correlation is the relationship between two variables _____

1. Two
2. One
3. Zero
4. None

Answer: Two

11. In descriptive statistics, data from the entire population or a sample is summarized with ?

1. numerical descriptors

2. integer descriptors
3. integer descriptors
4. decimal descriptors

Answer: numerical descriptors

12. How many main statistical methodologies are used in data analysis?

1. 3
2. 2
3. 4
4. 5

Answer: 2

13. The branch of statistics which deals with development of particular statistical methods is classified as

1. economic statistics
2. industry statistics
3. applied statistics
4. None

Answer: applied statistics

14. By 2025, the volume of data will increase to _____

1. TB
2. YB
3. ZB
4. EB

Answer: ZB

15. Alternative Hypothesis is also called as?

1. Simple Hypothesis
2. Research Hypothesis
3. Null Hypothesis
4. None of the mentioned above

Answer: Research Hypothesis

16. Data Analysis is defined by the statistician?

1. Hans Peter Luhn
2. William S.
3. Gregory Piatetsky-Shapiro
4. John Tukey

Answer: John Tukey

17. Amongst which of the following is / are not a major data analysis approach?

1. Business Intelligence
2. Text Analytics
3. Predictive Intelligence
4. Data Mining

Answer: Predictive Intelligence

18. For each value of the _____ the distribution of the dependent variable must be normal.

1. Intermediate variable
2. Depended variable
3. Independent variable
4. None of the above

Answer: Independent variable

19. Linear-regression models are relatively simple and provide an easy-to-interpret mathematical formula that can generate ____.

1. Interpretation
2. Predictions
3. Conclusion
4. None of the above

Answer: Predictions

20. Data Analysis is a process of _____

1. Data Cleaning
2. Transforming of data
3. Inspecting data
4. All of the above

Answer: All of the above

21. Amongst which of the following is / are the applications of Linear Regression _____

1. Behavioral
2. Social sciences
3. Biological
4. All of the above

Answer: All of the above

22. Least Square Method uses _____

1. Linear sequence
2. Linear regression
3. Linear polynomial
4. None of the above

Answer: Linear regression

23. _____ are used when we want to visually examine the relationship between two quantitative variables.

1. Scatterplot
2. Bar graph
3. Line graph
4. Pie chart

Answer: Bar graph

24. A Linear Regression model's main aim is to find the best fit linear line and the _____ of intercept and coefficients such that the error is minimized.

1. Optimal values
2. Linear polynomial
3. Linear line
4. None of the mentioned above

Answer: Optimal values

25. The process of quantifying data is referred to as _____

1. Decoding
2. Enumeration
3. Structure
4. Coding

Answer: Enumeration

26. Amongst which of the following is / are the branch of statistics which deals with the development of statistical methods is classified as _____

1. Economic statistics
2. Industry statistics
3. Applied statistics
4. None of the mentioned above

Answer: Applied statistics

27. Amongst which of the following is / are the true about regression analysis?

1. Describes associations within the data
2. Answering yes/no questions about the data
3. Modeling relationships within the data
4. All of the above

Answer: Modeling relationships within the data

28. Linear Regression is the supervised machine learning model in which the model finds the best fit ___ between the independent and dependent variable.

1. Nonlinear line
2. Linear line
3. Curved line
4. None of the mentioned above

Answer: Linear line

29. Data Analytics uses ___ to get insights from data

1. Statistical methods
2. Statistical figures
3. Numerical aspects
4. None of the mentioned above

Answer: Statistical methods

30. Amongst which of the following is / are the types of Linear Regression _____

1. Simple Linear Regression
2. Multiple Linear Regression
3. Both of above
4. None of above

Answer: Both of above