

1. Choose the correct components of data science.
 - a. Domain expertise
 - b. Data Engineering
 - c. Advanced computing
 - d. All of above

2. Which of the following is not a part of the data science process?
 - a. Communication building
 - b. Operationalize
 - c. Model planning
 - d. Discovery

3. Choose whether the following statement is true or false:
Unstructured data is not organized
 - a. False
 - b. True
 - c. May be true or false
 - d. None of the above

4. A hybrid Bayesian Network consists of?
 - a. Discrete variables
 - b. Continuous variables
 - c. Both A and B
 - d. None

5. Identify the key data science skills among the following
 - a. Data Visualization



- b. Statistics
 - c. Machine learning
 - d. All of the above
6. What does K stand for in K mean algorithm?
- a. Number of clusters
 - b. Number of data
 - c. Number of loops
 - d. Number of attributes
7. Among the following options choose which one of the following focuses on the discovery of unknown properties on the data.
- a. Data Wrangling
 - b. Data Mining
 - c. Big Data
 - d. Machine learning
8. The different types of machine learning are?
- a. Supervised
 - b. Unsupervised
 - c. Reinforcement
 - d. All of the above
9. Which of the following language is used in Data science?
- a. C
 - b. C++
 - c. Java
 - d. R
10. Unstructured data is not organized
- a. True
 - b. False
 - c. Maybe true or false
 - d. None
11. Which of the following step is performed by the data scientist after acquiring the data?
- a. Data replication



- b. Data integration
 - c. Data cleansing
 - d. All of above
12. K- Nearest neighbors algorithm is based on _____ learning
- a. Supervised learning
 - b. Un Supervised learning
 - c. Association
 - d. Correlation
13. The applications of Data Science are
- a. Airline route planning
 - b. Healthcare
 - c. Fraud and risk detection
 - d. All of the above
14. Which is performed by a Data Scientist?
- a. Defining the question
 - b. Creating reproducible code
 - c. Challenging the results
 - d. All of above
15. Data can be visualized using?
- a. Maps
 - b. Graph
 - c. Charts
 - d. All of the above
16. Which among the following is not under math and theory concept
- a. Time Series
 - b. Statistics
 - c. Liner algebra
 - d. Data Structures
17. Which among is not a data analysis tool?
- a. R
 - b. Excel



- c. Python
 - d. ETL
18. What is the 1st step of data science process?
- a. Defining the business problem
 - b. EDA
 - c. Evaluation
 - d. Visualization
19. Point out the correct statement.
- a. Raw data is original source of data
 - b. Preprocessed data is original source of data
 - c. Raw data is the data obtained after processing steps
 - d. None of the mentioned
20. Which of the following allows you to find the relationship you didn't about?
- a. Inferential
 - b. Exploratory
 - c. Causal
 - d. None of the mentioned
21. Which among the following is not appropriate about data collection
- a. Collecting
 - b. Measuring
 - c. Analyzing
 - d. Deleting
22. Which among the following is not a primary data collection method
- a. Interviews
 - b. Oral histories
 - c. Internet
 - d. Observations
23. Which among the following is secondary data collection method
- a. Interviews
 - b. Oral histories
 - c. Internet



- d. Observations
24. Primary element of API are
- a. Access
 - b. Request
 - c. Response
 - d. All of the above
25. Which among the following is not an API Category
- a. Web bases system
 - b. Operating System
 - c. Transport system
 - d. Database system
26. Which of the numbers below might IBM SPSS report as 8.96 E+03?
- a. 86.
 - b. 8960.0
 - c. 0.000896
 - d. 8.960
27. The "SPSS" is a package of programs for
- a. Manipulation
 - b. Analyzing
 - c. presenting data
 - d. all of these
28. When SPSS is first open a default dialogue box appears that gives the user a number of.
- a. editing tutorial
 - b. date type
 - c. options
 - d. A & B
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 - c. options
 - d. A & B



30. Which command is used for sorting in SPSS
- a. Sort
 - b. sort case
 - c. A & B
 - d. none of these
31. In scatter plots we look for a relationship between the _____ variables
- a. 1
 - b. 2
 - c. 3
 - d. 4
32. SPSS stands for.
- a. Statistical package for the social sciences
 - b. Standard package for the social science
 - c. A & B
 - d. None of these
33. GUI stands for.
- a. Graphical user interface
 - b. General user interface
 - c. A & B
 - d. None of these
34. Which among the following is not a storage medium
- a. Magnetic storage
 - b. Optical storage
 - c. Flash storage
 - d. Modem
35. How many data collection method are available
- a. 1
 - b. 2
 - c. 3
 - d. 4
36. Multiple data sources can be open at same time, making easier to:
- a. Switch back and forth between data sources.



- b. Compare the contents of different data sources
- c. Copy and paste data between data sources
- d. All of the above

37. Command used to access data in IBM SPSS is

- a. GET DATASET
- b. GET DATA
- c. GET FILE
- d. All of the above

38. Command used to access data in IBM SPSS is

- a. RENAME
- b. REN
- c. NAMECHANGE
- d. NAMERE

39. Data Analytics uses ___ to get insights from data.

- a. Statistical figures
- b. Numerical aspects
- c. Statistical methods
- d. None of the mentioned above

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

- a. Industry statistics
- b. Economic statistics
- c. Applied statistics
- d. None of the mentioned above

41. The process of quantifying data is referred to as ___

- a. Decoding
- b. Structure
- c. Enumeration
- d. Coding

42. ___ are used when we want to visually examine the relationship between two



quantitative variables.

- a. Bar graph
 - b. Scatterplot
 - c. Line graph
 - d. Pie chart
43. A graph that uses vertical bars to represent data is called a ____.
- a. Bar graph
 - b. Line graph
 - c. Scatterplot
 - d. All of the mentioned above
44. Data analysis is the process of
- a. inspecting data
 - b. Data Cleaning
 - c. Transforming of data
 - d. All of the mentioned above
45. Among which of the following is / are not a major data analysis approach?
- a. Predictive Intelligence
 - b. Business Intelligence
 - c. Text Analytics
 - d. Data Mining
46. By 2025, the volume of data will increase to,
- a. GB
 - b. TB
 - c. YB
 - d. ZB
47. Amongst which of the following is / are not an example of social media?
- a. Twitter
 - b. Instagram
 - c. Both A and B
 - d. None of the mentioned above
48. __ are the basic building blocks of qualitative data.
- a. Categories
 - b. Data chunk
 - c. Numeric figures



- d. None of the mentioned above
49. Tableau is a ____ tool.
- a. Visualization
 - b. Analytical
 - c. Data Exploration
 - d. All of the mentioned above
50. _____ is not a measure of central tendency.
- a. Mode
 - b. Mean
 - c. Range
 - d. Median

