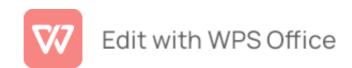
- 1. Choose the correct components of data science.
 - a. Domain expertise
 - b. Data Engineering
 - c. Advanced computing
 - d. All of above
- 2. Which of the following is not a part of the data science process?
 - a. Communication building
 - b. Operationalize
 - c. Model planning
 - d. Discovery
- 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



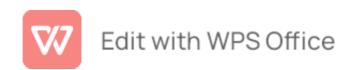
- b. Statistics
- c. Machine learning
- d. All of the above
- 6. What does K stand for in K mean algorithm?
 - a. Number of clusters
 - b. Number of data
 - c. Number of loops
 - d. Number of attributes
- 7. Among the following options choose which one of the following focuses on the discovery of unknown 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



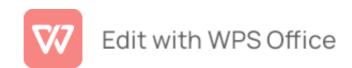
- b. Data integration
- c. Data cleansing
- d. All of above
- 12. K- Nearest neighbors algorithm is based on _____ learning
 - a. Supervised learning
 - b. Un Supervised learning
 - c. Association
 - d. Correlation
- 13. The applications of Data Science are
 - a. Airline route planning
 - b. Healthcare
 - 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



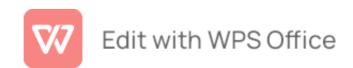
- d. Observations
- 24. Primary element of API are
 - a. Access
 - b. Request
 - c. Response
 - d. All of the above
- 25. Which among the following is not an API Category
 - a. Web bases system
 - b. Operating System
 - c. Transport system
 - d. Database system
- 26. Which of the numbers below might 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
- 29. 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



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

- 36. Multiple data sources can be open at same time, making easier to:
 - a. Switch back and forth between data sources.

d. 4

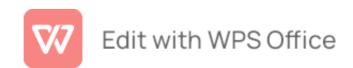


- b. Compare the contents of different data sources
- c. Copy and paste data between data sources
- d. All of the above
- 37. Command used to access data in IBM SPSS is
 - a. GET DATASET
 - b. GET DATA
 - c. GET FILE
 - d. All of the above
- 38. Command used to access data in IBM SPSS is
 - a. RENAME
 - 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



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- 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