ML End quiz

20 Questions 30 Minutes All The Best...!!!

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- PCA can be used for projecting and visualizing data in lower dimensions. *
- a. True
- b. False
- c. Both a and b
- d. None of above

| 2. In language understanding, the levels of knowledge that do not include? * |
|--|
| a. Phonological |
| b. Empirical |
| C. Syntactic |
| O d. Logical |

| 3. The dataset of positive samples is called as * |
|---|
| a. Hypothesis |
| b. Target concept |
| C. Nonmember of concept |
| d. Members of the concept |

| 4. | Ability to learn how to do tasks based on the data given for training or initial | * |
|------|--|---|
| expe | erience | |
| | | |
| | | |

a. Self-organization

b. Adaptive learning

c. Fault Learning

d. Robustness

5. The functions represented by Machine Learning without numeric functions are * called as

a. Linear Regression

b. Support Vector Machine

c. Neural Network

d. Case-based learning

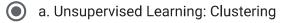
| 6. KNN algorithm require | es * |
|--------------------------|------|
|--------------------------|------|

- a. More time for training
- b. More time for testing
- c. Equal time for training and testing
- d. None of the mentioned

7. What does dimensionality reduction reduce? *

- a. stochastics
- b. collinearity
- c. performance
- d. entropy

| 8. | Targeted marketing, recommended systems, and customer segmentation are * |
|-----|--|
| apı | plications in |
| | |
| | |



| \supset | b. Supervised | Learning: | Classification |
|-----------|---------------|-----------|----------------|
|-----------|---------------|-----------|----------------|

c. Reinforcement Learning

d. Unsupervised Learning: Regression

9. The output of the training process in machine learning is *

a. machine learning model

b. machine learning algorithm

c. null

d. accuracy

| 10. Which among the below options are types of Feature engineering? * |
|---|
| a. Replacing the missing value |
| b. Getting mean value from a group of entities |
| c. Extracting city from home address |
| d. Changing hyper-parameter values |
| |
| 11. The over fitting means * |
| a. When a predictive model is accurate but takes too long to run |
| b. When the model learns specifics of the training data that can't be generalized to a large data set |
| c. When you perform hyperparameter tuning and performance degrades |
| |

| 12. In SVM, a nonlinear problem can be solved by transforming data from * dimensional space into dimensional space. |
|---|
| a. High, low |
| b. Low, high |
| C. Low, medium |
| d. Medium, High |
| |
| 13.Which feature selection technique uses shrinkage estimators to remove * redundant features from data? |
| a. Stepwise regression |
| |

- b. Sequential feature selection
- c. Regularization
- d. Neighborhood component selection

| \cup | a. | Decision | 1 | ır | e | Ξ |
|--------|----|----------|---|----|---|---|
| | | | | | | |

14. Identify the last learner algorithm...... *

15. What kind of learning algorithm for "Facial identities or Emotion identification"...

- a. Recognizing Anomalies
- b. Prediction
- c. Generating Patterns
- d. Recognition Patterns

| 16. | The area of AI that investigates methods of facilitating communication | * |
|-------|--|---|
| betwe | een people and computers is: | |

a. Anomaly Detection

b. Association

c. Natural Language Processing

d. Decision Support System

To find the closest neighbours, the distance meterc for categorical data is * used as-----

a. Euclidean Distance

b. Manhattan distance

c. Minkowski distance

d. Hamming distance

| 18. An iterative process in ML models builds the model parameter called as * |
|--|
| a. Mini-batches b. Optimized parameters c. Hyperparameters d. Superparameters |
| 19. Artificial Neural Network used for * |
| |
| a. Pattern Recognition |
| a. Pattern Recognition b. Classification |
| |

| 20 .The algorithm used to assign observations to the discrete set of classes * |
|--|
| a. Linear Regression |
| b. Multiple Linear Regression |
| c. Logistic Regression |
| d. Classification |
| |

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