

41) Among the following identify the one in which dimensionality reduction reduces.

- a) Performance
  - b) statistics
  - c) Entropy
  - d) Collinearity
- Ans- d) Collinearity

42) Which of the following machine learning algorithm is based upon the idea of bagging?

- a) Decision Tree
  - b) Random Forest
  - c) Classification
  - d) SVM
- Ans- b) Random Forest

43) Choose a disadvantage of decision trees among the following.

- a) Decision tree robust to outliers
  - b) Factor analysis
  - c) Decision Tree are prone to overfit
  - d) all of the above
- Ans- c) Decision Tree are prone to overfit

44) What is the term known as on which the machine learning algorithms build a model based on sample data?

- a) Data Training
  - b) Sample Data
  - c) Training data
  - d) None of the above
- Ans- c) Training data

45) Which of the following machine learning techniques helps in detecting the outliers in data?

- a) Clustering
  - b) Classification
  - c) Anomaly detection
  - d) All of the above
- Ans- c) Anomaly detection

46) Identify the incorrect numerical functions in the various function representation of machine learning.

- a) Support Vector
  - b) Regression
  - c) Case based
  - d) Classification
- Ans- a) Support Vector

47) Analysis of ML algorithm needs

- a) Statistical learning theory
- b) Computational learning theory
- c) None of the above
- d) Both a and b

Ans- d) Both a and b

48) Identify the difficulties with the k-nearest neighbor algorithm.

- a) Curse of dimensionality
- b) Calculate the distance of test case for all training cases
- c) Both a and b
- d) None

Ans- c) Both a and b

49) The total types of the layer in radial basis function neural networks is \_\_\_\_\_

- a) 1
- b) 2
- c) 3
- d) 4

Ans- c) 3

50) Which of the following is not a supervised learning

- a) PCA
- b) Naïve bayes
- c) Linear regression
- d) KMeans

Ans- d) KMeans