

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

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

Answer: 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

Answer: 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

Answer: 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

Answer: 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

Answer: c) Anomaly detection and a) clustering

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

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

Answer: c) Case based

47) Analysis of ML algorithm needs

- a) Statistical learning theory
- b) Computational learning theory

- c) None of the above
- d) Both a and b

Answer: 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

Answer: 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

Answer: c) 3

- 50) Which of the following is not a supervised learning
- a) PCA
 - b) Naïve bayes
 - c) Linear regression
 - d) KMeans

Answer: a) PCA and d) KMeans