

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

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:-

- b) 2

50) Which of the following is not a supervised learning

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

Answer:-

- d) KMeans

