

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) Anamoly detection**
- d) All of the above**

ANS:- c) Anamoly 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:- 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**

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:- a) 1

50 Which of the following is not a supervised learning

a) PCA

b) Naïve bayes

c) Linear regression

d) KMeans

ANS:- d) KMeans