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) Classfication

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) Anamoly detection

d) All of the above

Answer : 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

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