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 : d) KMeans