41)

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

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

Ans : D)

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

Ans : B)

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)

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)

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)

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)

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)

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- b)

49)
The total types of the layer in radial basis function neural networks is _____
a) 1
b) 2
c) 3
d) 4

Anns- A)

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

Ans- A)