41Among 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:-(A)

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:- (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)

49) The total types of the layer in radial basis function neural networks is _____

a) 1
b) 2
c) 3
d) 4

Ans:- (C)

50
Which of the following is not a supervised learning

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

Ans:- (A)