Solution of d4 file.

QUESTION 41.

Among the following identify the one in which dimensionality reduction reduces

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

ANSWER 41 = (D) COLLINEARITY.

QUESTION 42.

Which of the following machine learning algorithms is based upon the idea of bagging?

a) Decision Tree

b) Random Forest

c) Classification

d) SVM

ANSWER 42 = (B) RANDOM FOREST.

QUESTION 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 43 = (C)DECISION TREE ARE PRONE TO OVERFIT.

QUESTION 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 44 = (A) TRAINING DATA.

QUESTION 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 45 = (C) ANAMOLY DETECTION.

QUESTION 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 46 = (A) SUPPORT VECTOR.

Question 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 47 = (D) BOTH A NAD B.

Question 48.

Identify the difficulties with the k-nearest neighbour algorithm.

a) Curse of dimensionality
b) Calculate the distance of test case for all training cases
c) Both a and b

d) None

ANSWER 48 = (C) BOTH A AND B.

Question 49.

The total types of the layer in radial basis function neural networks is _____ a) 1

b) 2
c) 3
d) 4

ANSWER 49 = (B) 2.

Question 50.

Which of the following is not a supervised learning a) PCA

b) Naïve bayes
c) Linear regression
d) KMeans

ANSWER 50 = (D) KMeans.