

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

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

ANSWER 41- d) Collinearity

42) Which of the following machine learning algorithm is based upon the idea of bagging?

- a) Decision Tree
- b) Random Forest
- c) Classification
- d) SVM

ANSWER 42- 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 43- 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 44- c) Training data

45) Which of the following machine learning techniques helps in detecting the outliers in data?

- a) Clustering
- b) Classification
- c) Anomaly detection
- d) All of the above

ANSWER 45- c) Anomaly detection

46)Identify the incorrect numerical functions in the various function representation of machine learning.

- e) Support Vector
- f) Regression
- g) Case based
- h) Classification

ANSWER 46- g) Case based

47)Analysis of ML algorithm needs

- i) Statistical learning theory
- j) Computational learning theory
- k) None of the above
- l) Both j and k

ANSWER 47- m) Both j and k

48)Identify the difficulties with the k-nearest neighbor algorithm.

- m) Curse of dimensionality
- n) Calculate the distance of test case for all training cases
- o) Both n and o
- p) None

ANSWER 48- p)Both n and o

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

- q) 1
- r) 2
- s) 3
- t) 4

ANSWER 49- t) 3

50)Which of the following is not a supervised learning

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

ANSWER 50- a) PCA