

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

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

Ans: - Collinearity

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

Ans: - 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

Ans: - 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

Ans: - 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

**Ans: - 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

**Ans: - Support Vector**

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: - 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

**Ans: - None**

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

a) 1

b) 2

c) 3

d) 4

**Ans: - 3**

50) Which of the following is not a supervised learning

a) PCA

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

Ans: - PCA