

41)

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

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

☒ 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

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

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

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

46)

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

- a) Support Vector
- b) Regression
- c) **Curve fitting**
- d) Classification

47)

Analysis of ML algorithm needs

- a) Statistical learning theory
- b) Computational learning theory
- c) None of the above
- d) **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

49)

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

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

50

Which of the following is not a supervised learning

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