41)

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

1. Performance
2. statistics
3. Entropy
4. Collinearity

**ANSWER : d) Collinearity**

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

a) Decision Tree

1. Random Forest
2. Classfication
3. SVM

**ANSWER: b) Random Forest**

43) Choose a disadvantage of decision trees among the following.

a) Decision tree robust to outliers

1. Factor analysis
2. Decision Tree are prone to overfit
3. all of the above

**ANSWER : 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?

* 1. Data Training
  2. Sample Data
  3. Training data
  4. None of the above

**ANSWER: c) Training Data**

45)

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

* 1. Clustering
  2. Classification
  3. Anamoly detection
  4. All of the above

**ANSWER: c)Anamoly detection**

46)

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

* 1. Support Vector
  2. Regression
  3. Case based
  4. Classification

**ANSWER: c) Case Based**

47)

Analysis of ML algorithm needs

* 1. Statistical learning theory
  2. Computational learning theory
  3. None of the above
  4. Both a and b

**ANSWER: d) both a and b**

48)

Identify the difficulties with the k-nearest neighbor algorithm.

* 1. Curse of dimensionality
  2. Calculate the distance of test case for all training cases
  3. Both a and b
  4. None

**ANSWER: c) Both a and b**

49)

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

a) 1

* + 1. 2
    2. 3
    3. 4

**ANSWER : c) 3**

50 )

Which of the following is not a supervised learning

a) PCA

* + 1. Naïve bayes
    2. Linear regression
    3. KMeans

**ANSWER: a) PCA**