41)

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

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

## And-D

1. Which of the following machine learning algorithm is based upon the idea of bagging?
2. Decision Tree
3. Random Forest
4. Classfication
5. SVM

## Ans B

1. Choose a disadvantage of decision trees among the following.
2. Decision tree robust to outliers
3. Factor analysis
4. Decision Tree are prone to overfit
5. all of the above

# Ans-c

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

## Ans-C

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

## Ans c

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

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

## Ans -C

Analysis of ML algorithm needs

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

# Ans-D

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

Ans=C

## Ans-C

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

* 1. 1
  2. 2
  3. 3
  4. 4

50

Which of the following is not a supervised learning

* + 1. PCA
    2. Naïve bayes
    3. Linear regression
    4. KMeans Ans -A