41)

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

1. Performance
2. statistics
3. Entropy
4. Collinearity
5. Which of the following machine learning algorithm is based upon the idea of bagging?
   1. Decision Tree
   2. Random Forest
   3. Classfication
   4. SVM
6. Choose a disadvantage of decision trees among the following.
   1. Decision tree robust to outliers
   2. Factor analysis
   3. Decision Tree are prone to overfit
   4. all of the above

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

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

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

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

Analysis of ML algorithm needs

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

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

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

a) 1

b) 2

c) 3

d) 4

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Which of the following is not a supervised learning

1. PCA
2. Naïve bayes
3. Linear regression
4. KMeans