

MACHINE LEARNING – WORKSHEET 1

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Batch: Internship 25

Answers :-

1. A) Least Square Error
2. A) Linear regression is sensitive to outliers
3. B) Negative
4. B) Correlation
5. C) Low bias and high variance
6. B) Predictive model
7. D) Regularization
8. A) Cross validation
9. C) Sensitivity and Specificity
10. B) False
11. A) Construction bag of words from a email B) Apply PCA to project high dimensional data C) Removing stop words
12. A) We don't have to choose the learning rate. B) It becomes slow when number of features is very large.
13. Regularization is a technique used to reduce the errors by fitting the function appropriately on the given training set and avoid overfitting.
14. The commonly used algorithms in regularization are :
 - 1) L1 regularization
 - 2) L2 regularization
 - 3) Dropout regularization
15. The Error term is defined as the difference between the expected value at a particular time and the actual value that we observed.

