

Machine Learning

1) A.Least Square Error

2) A.Linear regression is sensitive to outliers

3)A.Positive

4)B.Correlation

5)C.Low bias and high variance

6)A. Descriptive model

7)D.Regularization

8)D. SMOTE

9)B).Sensitivity and precision

10)A.True

11)A.Construction bag of words from a email

12)A.We don't have to choose the learning rate.

B. It becomes slow when number of features is very large.

C. We need to iterate.

13) the term regularization is a technique used to reduce the errors by fitting the function appropriately on the given training set and avoid overfitting.

14) *A regression model which uses L1 Regularization technique is called LASSO(Least Absolute Shrinkage and Selection Operator) regression.

***A regression model that uses L2 regularization technique is called Ridge regression.**

***A regression model that uses Dropout.**

15)An error term represents the margin of error within a statistical model.It refers to the sum of the deviations within the regression line, which provides an explanation for the difference between the theoretical value of the model and the actual observed results. The regression line is used as a point of analysis when attempting to determine the correlation between one independent variable and one dependent variable.