FLIP ROBO

WORKSHEET

Machine learning WORKSHEET-1

Q 1. Which of the following methods do we use to find the best fit line for data in Linear Regression?
Ans 1. A) Least Square Error

Q 2. Which of the following statement is true about outliers in linear regression?
Ans 2. A) A) Linear regression is sensitive to outliers

Q 3. A line falls from left to right if a slope is _____?
Ans 3. B) Negative

Q 4. Which of the following will have symmetric relation between dependent variable and independent
variable?
Ans 4. B) Correlation

Q 5. Which of the following is the reason for over fitting condition?
Ans 5. C) Low bias and high variance

Q 6. If output involves label then that model is called as:
Ans 6. B) Predictive modal

Q 7. Lasso and Ridge regression techniques belong to _____?
Ans 7. D) Regularization

Q 8. To overcome with imbalance dataset which technique can be used?
Ans 8. A) Cross validation

Q 9. The AUC Receiver Operator Characteristic (AUCROC) curve is an evaluation metric for binary classification problems. It uses _____ to make graph?
Ans 9. D) Recall and precision

Q 10. In AUC Receiver Operator Characteristic (AUCROC) curve for the better model area under the curve should be less.
Ans 10. A) True

Q 11. Pick the feature extraction from below:
Ans 11. C) Removing stop words

Q 12. Which of the following is true about Normal Equation used to compute the coefficient of the Linear Regression?
Ans 12. A) We don’t have to choose the learning rate.
C) We need to iterate

Q 13. Explain the term regularization?
Ans 13. Regularization shrinks the coefficient estimates towards zero. In other words, this technique discourages learning a more complex or flexible model, so as to avoid the risk of overfitting.

Q 14. Which particular algorithms are used for regularization?
Ans 14.

- Ridge Regression
- LASSO
- Dropout

Q 15. Explain the term error present in linear regression equation?
Ans 15. The term error in the linear regression is the difference between the expected price at a particular time and the price that was actually observed.