

1. What is the key difference between supervised learning and unsupervised learning?

Answer:

2. What is the difference between the tasks fulfilled by linear regression and logistic regression?

Answer:

3. How does Linear Regression find the optimal point?

Answer:

4. What are the Loss Functions used in Linear Regression?

Answer:

5. Why can't we use the mean square error cost function used in linear regression for logistic regression?

Answer:

6. What are the difference between L1 and L2 regularization terms?

Answer:

7. The logit function is defined as the log of the odds function. What do you think the input range of this logit function be in the domain of $[0, 1]$?

- a) $(-\infty, +\infty)$
- b) $(0, +\infty)$
- c) $(-\infty, 0)$
- d) $(0, 1)$

Answer:

8. What is the underlying method which is used to fit the training data in the algorithm of logistic regression?

- a) Jaccard distance
- b) Maximum likelihood
- c) Least square error
- d) None of the options which are mentioned above.

Answer:

9. Which strategy is not for avoiding overfitting?

- a) Adding regularization term in the loss function
- b) Making a more complex model
- c) Using cross-validation like k-folds
- d) Using validation set while training

Answer: