

## Logistic Regression

1. Binary classifier using logistic regression predicts the probability of a
  - a. Positive Class
  - b. Negative Class
2. Logistic regression output is always between 0 and 1
  - a. True
  - b. False
3. Logistic regression performs best when data is ordered by positive samples first and then by negative samples
  - a. True
  - b. False
4. Logistic loss is smaller when predicted value approaches actual value
  - a. True
  - b. False
5. Stochastic Gradient Descent computes loss for all the training examples before adjusting weight
  - a. True
  - b. False

## Answers

1. Positive Class
2. True
3. False - Data needs to be shuffled and random order for SGD to effectively find optimal weights
4. True
5. False - SGD adjusts weight based on predicted output of the next training example