Practice Assignment 7

The due date for submitting this assignment has passed. Due on 2020-03-18, 23:59 IST. As per our records you have not submitted this assignment.

Note: This assignment is only for practice purpose and it will not be counted towards the Final score.

1) Which one of the following is called as the odds ratio? 1 point

- The ratio of the probability of an event occurring to the probability of the event not occurring
- The ratio of the probability of an event not occurring to the probability of the event occurring
- The probability of an event occurring
- The probability of an event not occurring

No, the answer is incorrect.
Score: 0
Accepted Answers:
The ratio of the probability of an event occurring to the probability of the event not occurring

2) In confusion matrix, the misclassification rate is given by 1 point

- \( \frac{False\ Negative + False\ positive}{Total\ number\ of\ samples} \)
- \( \frac{True\ Negative + False\ positive}{Total\ number\ of\ samples} \)
- \( False\ Negative + True\ positive \)
- \( False\ negative + True\ positive \)

Score: 0
Accepted Answers:
\( \frac{False\ Negative + False\ positive}{Total\ number\ of\ samples} \)
\( \frac{True\ Negative + False\ positive}{Total\ number\ of\ samples} \)
No, the answer is incorrect.
Score: 0
Accepted Answers:

\[
\text{True Positive} + \text{False Positive} \over \text{Total number of samples}
\]

3) The value of both sensitivity and specificity lies between

- -1 and 1
- -1 and 0
- -2 and 2
- 0 and 1

No, the answer is incorrect.
Score: 0
Accepted Answers:
0 and 1

4) In Logistic Regression a linear relationship is assumed between the independent variables and the

- Sigmoid of the dependent variable
- Log of the dependent variable
- Sine of the dependent variable
- None of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
None of the above

5) The confusion matrix for a binary classifier gives

- Only True Positives and True Negatives
- Only False Positives and False Negatives
- Only True Positives, False Positives and False Negatives
- True Positives, False Positives, True Negatives and False Negatives

No, the answer is incorrect.
Score: 0
Accepted Answers:
True Positives, False Positives, True Negatives and False Negatives