MITx: 15.071x The Analytics Edge

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Progress (/courses/MITx/15.071x/1T2014/progress)

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chedule (/courses/MITx/15.071x/1T2014/2891f8bf120945b9aa12e6601739c3e6/)

## QUICK QUESTION 3 (2/2 points)

In the previous video, we computed the following confusion matrix for our logistic regression model on our test set with a threshold of 0.5:

FALSE TRUE

0 1069 6

Help

1 187 11

Using this confusion matrix, answer the following questions.

What is the sensitivity of our logistic regression model on the test set, using a threshold of 0.5?

0.0555556

0.05555556

**Answer:** 0.0555556

What is the specificity of our logistic regression model on the test set, using a threshold of 0.5?

0.9944186

0.9944186

**Answer:** 0.9944186

## **EXPLANATION**

Using this confusion matrix, we can compute that the sensitivity is 11/(11+187) and the specificity is 1069/(1069+6).

Check

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