

## 4.7 Review Questions

 Bookmark this page

### 4.7.R1

1/1 point (graded)

pg 34:

Why does Total Error keep going down on the graph on page 34 of the notes, even though the False Negative Rate increases?

- ☐ The False Negative Rate does not affect Total Error.
- ☐ A higher False Negative Rate generally decreases Total Error.
- ☒ Positive responses are so uncommon that the False Negatives make up only a small portion of the Total Error ✓
- ☐ All of the above

### Explanation

The Total Error is a weighted average of the False Positive Rate and False Negative Rate. The weights are determined by the Prior Probabilities of Positive and Negative Responses.