

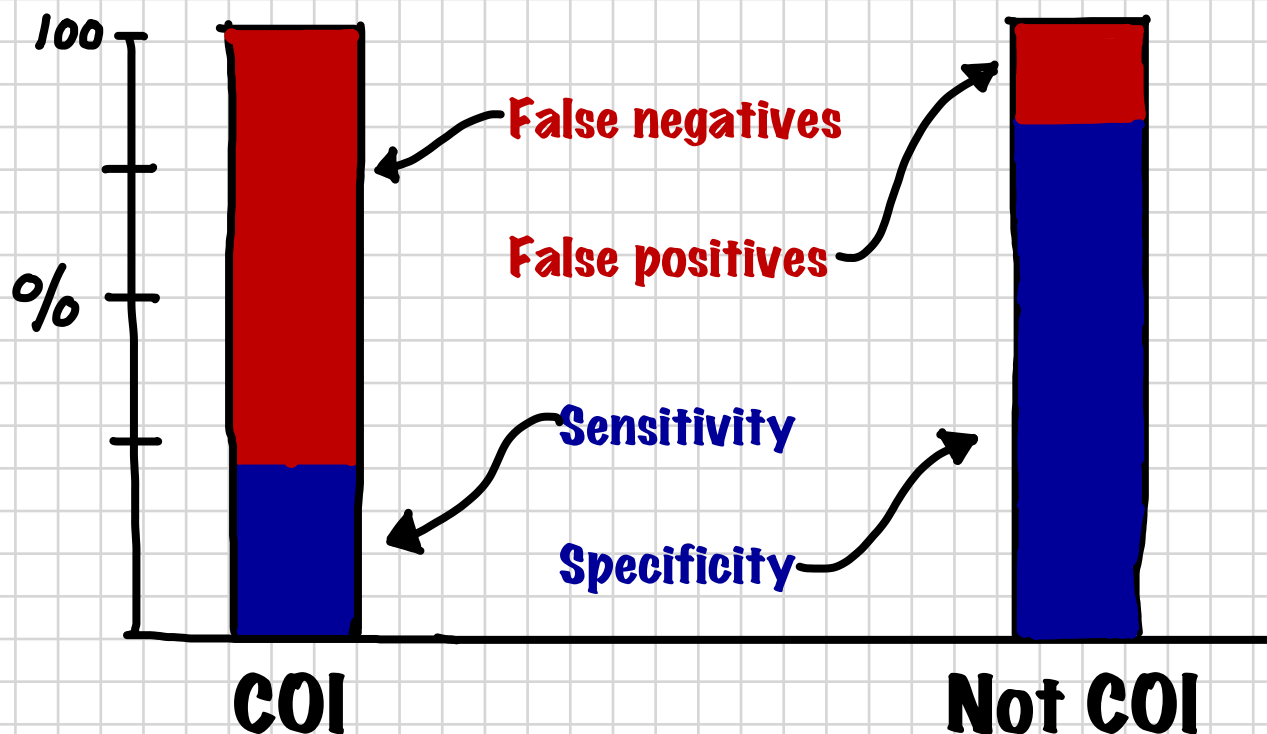


Sensitivity, specificity, and misclassification

COI = Condition of Interest
 = Incorrect classification
 = Correct classification



- Classification accuracy.
- Suppose you developed a test to detect "condition X" and the results are similar to what is depicted above.
- Here, the test classifies correctly:
 - ~25% of COI group -AND- 75% of the "Not COI" group (50% overall)
- This also means the test misclassified:
 - most of the COI group (false negative)
 - some of the "Not COI" group (false positive)

NEXT TOPIC: Positive and negative predictive power.