In this example, it is hard to interpret the values because there are two populations being tested.



In this situation, the AUC is just slightly better than a random guess.

1. True Positives: .03 are actual
2. False Negatives: Quite a bit of overlap
3. True Negatives: .03 are actual
4. False Positives: Quite a bit of overlap

This is a terrible ROC curve and the results are erroneous.



Shown above is a much better ROC curve.

1. True Positives: .24 Lacks specificity
2. False Negatives: This is quite high as well, shown by the purple.
3. True Negatives: ..99 This is done quite well, with a .99 score.
4. False Positives: Quite a bit of overlap

I found this exercise to be rushed, and I feel like I need more direction into what is actually happening here.