Cell Contents

|-------------------------|

| N |

| N / Row Total |

| N / Col Total |

|-------------------------|

Total Observations in Table: 100

| actual

predicted | no | yes | Row Total |

-------------|-----------|-----------|-----------|

no | 60 | 18 | 78 |

| 0.769 | 0.231 | 0.780 |

| 0.923 | 0.514 | |

-------------|-----------|-----------|-----------|

yes | 5 | 17 | 22 |

| 0.227 | 0.773 | 0.220 |

| 0.077 | 0.486 | |

-------------|-----------|-----------|-----------|

Column Total | 65 | 35 | 100 |

| 0.650 | 0.350 | |

-------------|-----------|-----------|-----------|

I tried Naïve Bayes on this data set and the prediction is better than that from the decision tree algorithm. Naïve Bayes algorithm gives 60 correct and 18 wrong positives, as well as 17 correct and 5 wrong negatives. Therefore Naïve Bayes is a better algorithm for this set of data.