|  |  |  |  |
| --- | --- | --- | --- |
|  |  | Actual Observation | |
|  |  | Yes | No |
| Predicted Outcome | Yes | True Positive | False Positive |
| No | False Negative | True Negative |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | Actual Observation | |
|  |  | GoodQs | No |
| Predicted Outcome | GoodQS | True Positive | False Positive |
| No | False Negative | True Negative |

**Overall Accuracy=(True Positive+True Negative)/TOTAL**

**Precision=True Positive/(True Positive+False Positive)**

**Recall/Sensitivty=True Positive/(True Positive+False Negative)**

**Specificity=True Negative/(False Positive+True Negative)**

False Negative – Should have a high penalty

False Positive – Slightly lesser penalty