Confusion Matrix and Statistics

Reference

Prediction 3 4 5 6 7 8 9

3 1 1 3 2 2 0 0

4 1 3 17 7 1 0 0

5 0 14 144 107 34 0 0

6 1 7 67 149 22 6 1

7 1 4 37 172 122 15 0

8 0 0 0 1 1 1 0

9 0 0 0 1 4 0 0

Overall Statistics

Accuracy : 0.7694

95% CI : (0.418, 0.4812)

No Information Rate : 0.4484

P-Value [Acc > NIR] : 0.4867

Kappa : 0.2291

Mcnemar's Test P-Value : NA

Statistics by Class:

Class: 3 Class: 4 Class: 5 Class: 6 Class: 7 Class: 8 Class: 9

Sensitivity 0.250000 0.083333 0.5694 0.3394 0.6524 0.041667 0.000000

Specificity 0.991795 0.972428 0.7786 0.7889 0.7083 0.997906 0.994888

Pos Pred Value 0.111111 0.103448 0.5174 0.5665 0.3456 0.333333 0.000000

Neg Pred Value 0.996907 0.965263 0.8127 0.5950 0.8962 0.976434 0.998973

Prevalence 0.004086 0.036772 0.2942 0.4484 0.1910 0.024515 0.001021

Detection Rate 0.001021 0.003064 0.1675 0.1522 0.1246 0.001021 0.000000

Detection Prevalence 0.009193 0.029622 0.3238 0.2686 0.3606 0.003064 0.005107

Balanced Accuracy 0.620897 0.527881 0.6740 0.5641 0.6804 0.519786 0.497444