# Confusion Matrix and Statistics

#

# Reference

# Prediction 1 2 3 4 5

# 1 1454 264 35 3 5

# 2 275 799 264 76 55

# 3 46 328 1312 447 147

# 4 0 11 318 1644 542

# 5 0 0 42 378 880

#

# Overall Statistics

#

# Accuracy : 0.663

# 95% CI : (0.6432, 0.6626)

# No Information Rate : 0.2732

# P-Value [Acc > NIR] : < 2.2e-16

#

# Kappa : 0.5611

# Mcnemar's Test P-Value : < 2.2e-16

#

# Statistics by Class:

#

# Class: 1 Class: 2 Class: 3 Class: 4 Class: 5

# Sensitivity 0.8192 0.56990 0.6657 0.6452 0.54021

# Specificity 0.9593 0.91544 0.8684 0.8715 0.94543

# Pos Pred Value 0.8257 0.54391 0.5754 0.6537 0.67692

# Neg Pred Value 0.9576 0.92324 0.9065 0.8673 0.90667

# Prevalence 0.1903 0.15035 0.2114 0.2732 0.17469

# Detection Rate 0.1559 0.08568 0.1407 0.1763 0.09437

# Detection Prevalence 0.1888 0.15753 0.2445 0.2697 0.13941

# Balanced Accuracy 0.8892 0.74267 0.7670 0.7583 0.74282