## WIFI LOCATIONING PREDICTIVE ALGORITHMS PERFORMANCE METRICS EVALUATION

1. Performance metrics summary for WIFI locationing algorithms.

Accuracy

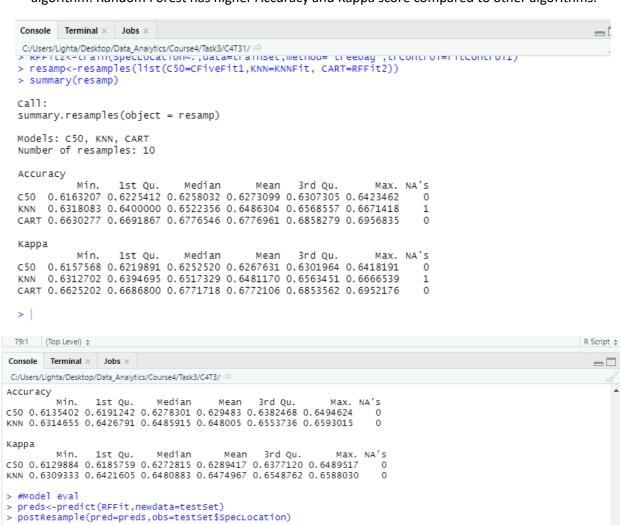
0.7214081 0.7209890

Kappa

> summary(postResample(pred=preds,obs=testSet\$SpecLocation))

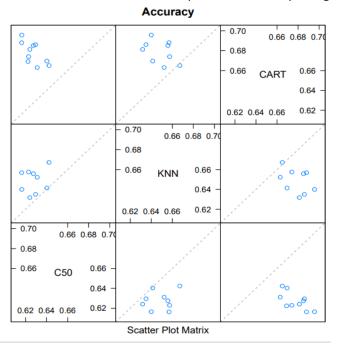
Min. 1st Qu. Median Mean 3rd Qu. Max. 0.7210 0.7211 0.7212 0.7212 0.7213 0.7214

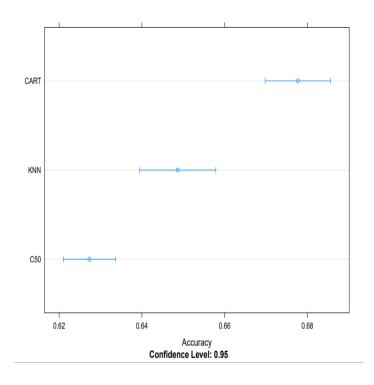
Three algorithms from the caret package and Random Forest algorithm from the randomForest package have been investigated. Accuracy and Kappa scores are approximately the same for each algorithm. Random Forest has higher Accuracy and Kappa score compared to other algorithms.



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2. Performance metric charts by Accuracy and Kappa score for WIFI locationing algorithms. Random Forest is not included as it is not a part of the caret package.





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