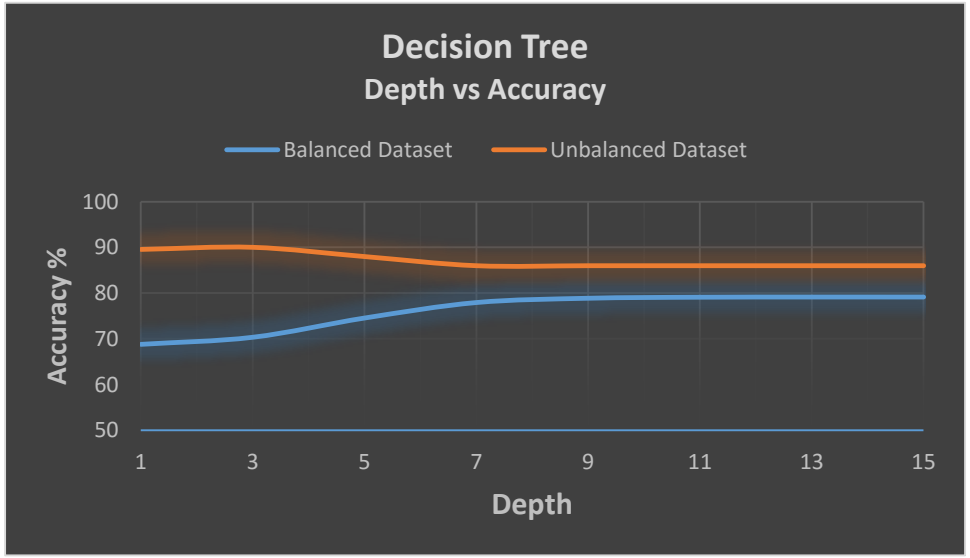
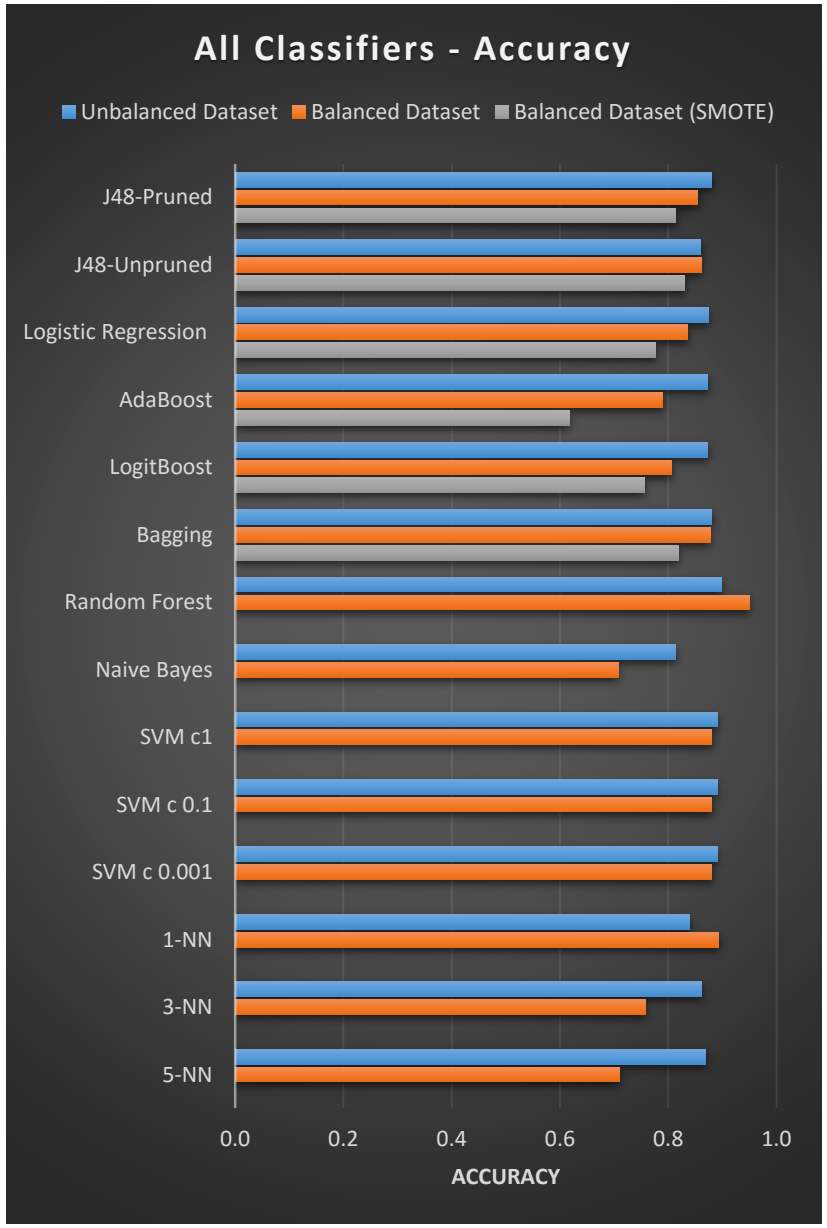
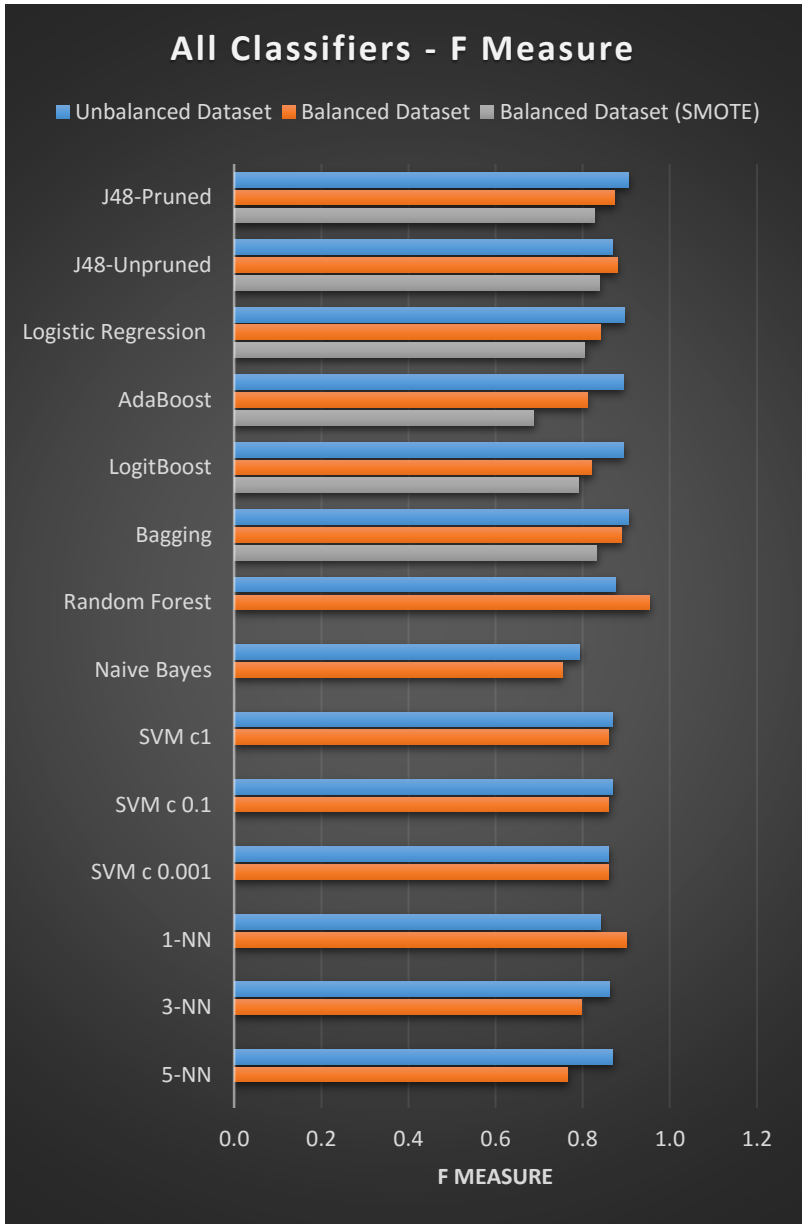
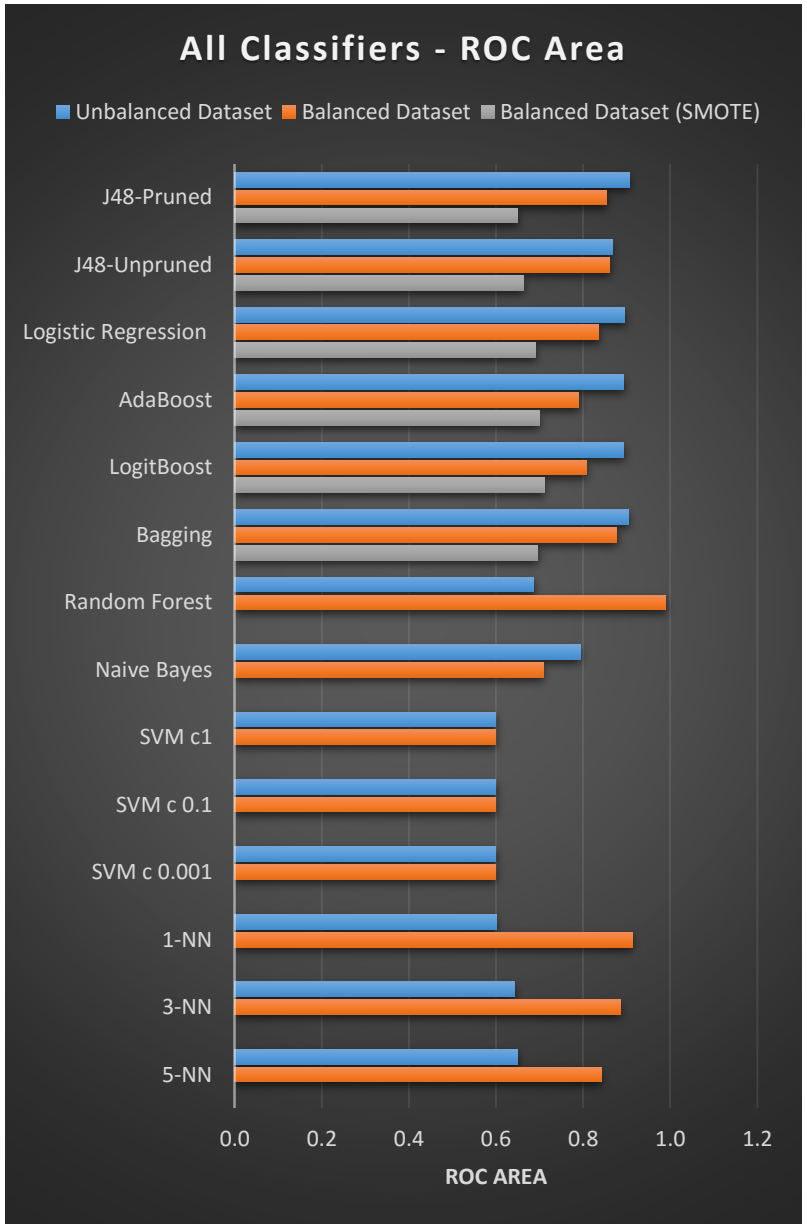

Decision Tree
Depth vs Accuracy
Balanced Dataset
Unbalanced Dataset
Accuracy %
100
90
80
70
60
50
1
3
5
7
9
11
13
15
Depth

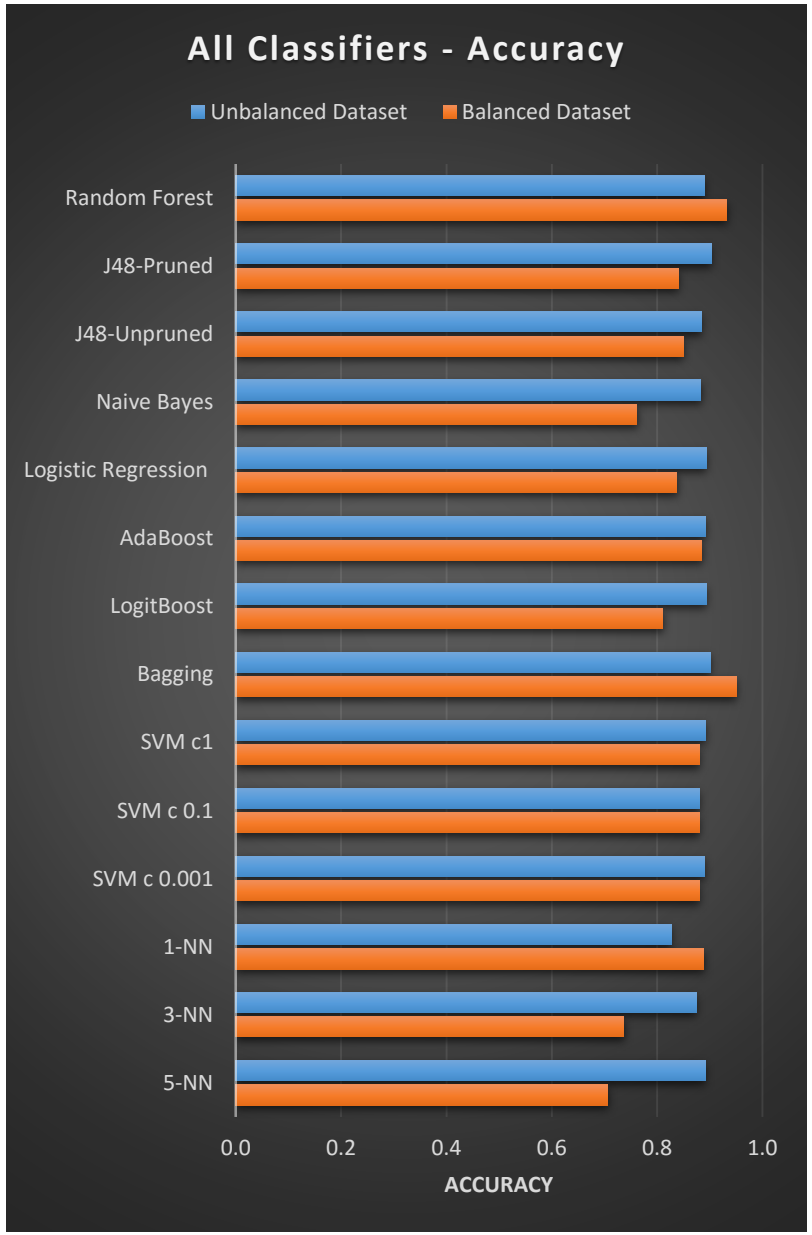
Normalized Dataset

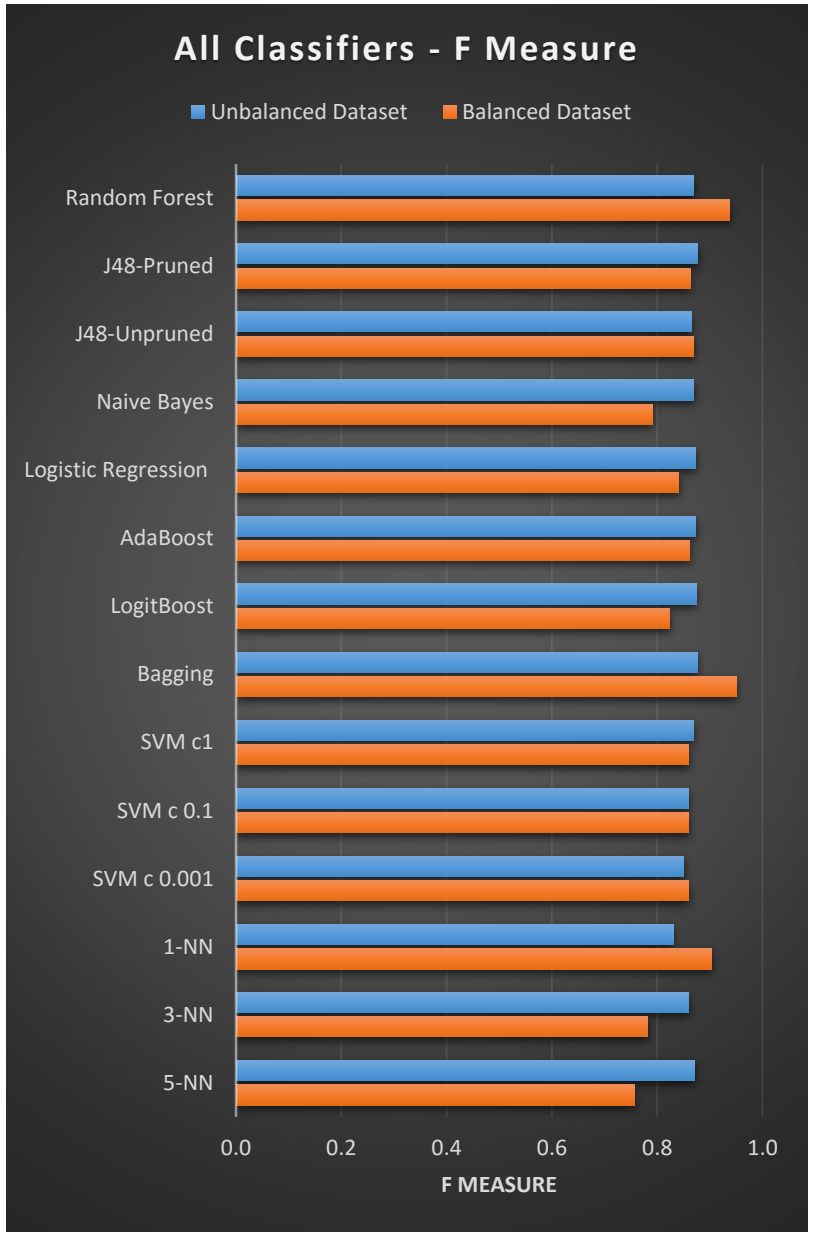


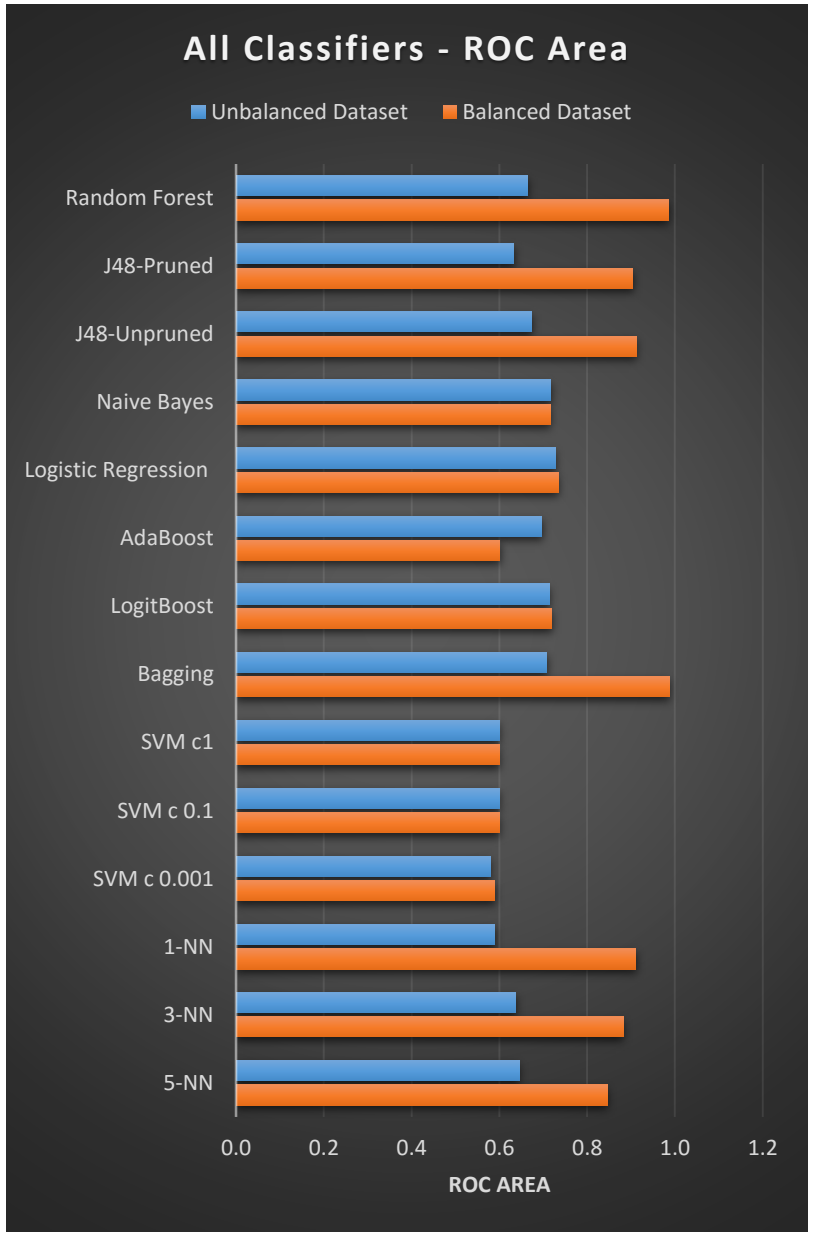


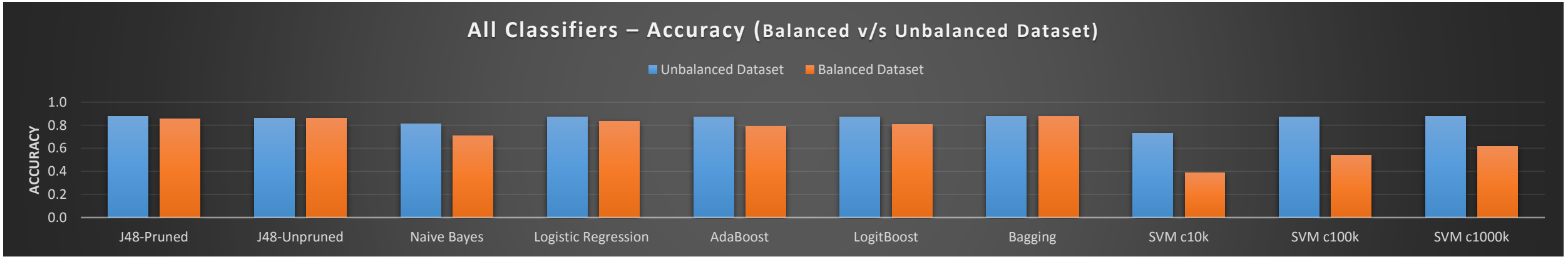


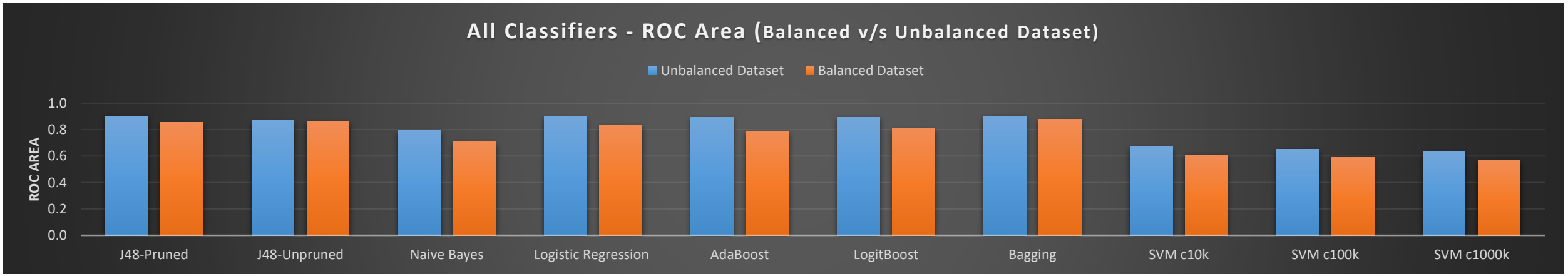
Expert Handpicked Features Dataset

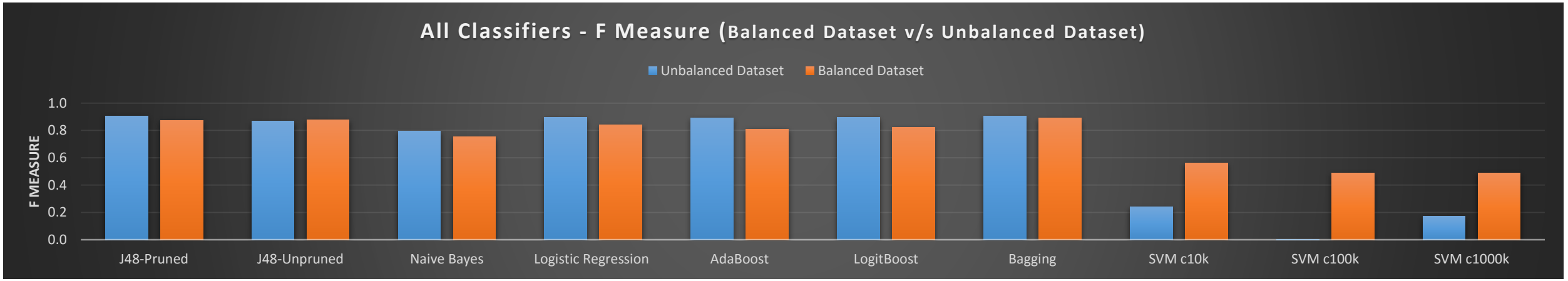







All Classifiers – Accuracy (Balanced v/s Unbalanced Dataset)
Unbalanced Dataset
Balanced Dataset
ACCURACY
1.0
0.8
0.6
0.4
0.2
0.0
J48-Pruned
J48-Unpruned
Naive Bayes
Logistic Regression
AdaBoost
LogitBoost
Bagging
SVM c10k
SVM c100k
SVM c1000k


All Classifiers - ROC Area (Balanced v/s Unbalanced Dataset)
Unbalanced Dataset
Balanced Dataset
ROC AREA
1.0
0.8
0.6
0.4
0.2
0.0
J48-Pruned
J48-Unpruned
Naive Bayes
Logistic Regression
AdaBoost
LogitBoost
Bagging
SVM c10k
SVM c100k
SVM c1000k


All Classifiers - F Measure (Balanced Dataset v/s Unbalanced Dataset)
Unbalanced Dataset
Balanced Dataset
F MEASURE
1.0
0.8
0.6
0.4
0.2
0.0
J48-Pruned
J48-Unpruned
Naive Bayes
Logistic Regression
AdaBoost
LogitBoost
Bagging
SVM c10k
SVM c100k
SVM c1000k