CS 6375

ASSIGNMENT ____1 Bonus_____

Names of students in your group:

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Number of free late days used:
_____0_____

Note: You are allowed a **total** of 4 free late days for the **entire semester**. You can use at most 2 for each assignment. After that, there will be a penalty of 10% for each late day.

Please list clearly all the sources/references that you have used in this assignment.

CS6375_002_HW1_B\
    -----Data.java
    -----train-win.dat
    -----train2-win.dat
    -----test-win.dat
    -----test2-win.dat
    -----report.pdf
    -----readme.pdf

For dataset 1:

	Average Depth	Number of nodes
Tree constructed using ID3	5.9	117
Tree constructed using RAS	6.0	123

For dataset 1:

Run #	Accuracy of RAS for training dataset	Accuracy of RAS for testing dataset
0	89.4%	85.2%
1	89.4%	85.2%
2	89.4%	85.2%
3	89.4%	85.2%
4	89.4%	85.2%
5	89.4%	85.2%

For dataset 2:

	Average Depth	Number of nodes
Tree constructed using ID3	7.3	209
Tree constructed using RAS	8.7	503

For dataset 2:

Run #	Accuracy of RAS for training dataset	Accuracy of RAS for testing dataset
0	99.5%	75%
1	99.5%	71%
2	99.5%	67%
3	99.5%	68%
4	99.5%	66%
5	99.5%	76%