Homework 3

CPCS 433

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The accuracy for each classification technique we got is:

	MACC	SD	MBAC	SD	MF1	SD
Random Forests	0.7593306	0.049337	0.7137078	0.0652059	0.6148742	0.1099601
AdaBoost	0.729389	0.05694836	0.6963735	0.06162823	0.5975574	0.0963373
SVM	0.755232	0.05806122	0.7030159	0.06550555	0.5982169	0.1046156

The output of the code:

```
Console    Terminal ×    Jobs ×
~/ ⇨
> source('C:/Users/m7md2/Desktop/university/CPCS433/Homeworks/HW3/Crossvalidation code.R')
RandomForest test performance Report
---------------------------------
MACC_test
0.7593306
SD_test
0.049337

MBAC_test
0.7137078
SD_test
0.0652059

MF1_test
0.6148742
SD_test
0.1099601

AdaBoost test performance Report
---------------------------------
MACC_test
0.729389
SD_test
0.05694836

MBAC_test
0.6963735
SD_test
0.06162823

MF1_test
0.5975574
SD_test
0.0963373

SVM test performance Report
---------------------------------
MACC_test
0.755232
SD_test
0.05806122

MBAC_test
0.7030159
SD_test
0.06550555

MF1_test
0.5982169
SD_test
0.1046156

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[1] "Mohammad Y Alghafli"
[1] "ID:1741679"
[1] "2021-03-13 22:45:29 +03"
[1] "2021-03-13"
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