

## Correct results on the test-before.csv dataset

0.0621,0.4999,0.5410,0.2079,0.2594,0.0613,0  
0.8073,0.7474,0.6721,0.2634,0.2038,0.0586,0  
0.3105,0.6030,0.4187,0.0000,0.0000,0.0900,0  
0.3105,0.5618,0.6148,0.3604,0.0000,0.0950,0  
0.1863,0.8144,0.6230,0.4990,0.4539,0.1597,1  
0.1863,0.6039,0.4754,0.1525,0.1000,0.0655,1  
0.6832,0.7114,0.6230,0.0000,0.0000,0.0877,1  
0.5589,0.5258,0.6230,0.5129,0.0000,0.0869,0  
0.1242,0.4639,0.5574,0.5822,0.0000,0.1009,1  
0.2484,0.5722,0.5902,0.6515,0.3835,0.0979,0

LogR average cross-validation accuracy: 0.6700  
NB average cross-validation accuracy: 0.6555  
DT average cross-validation accuracy: 0.7702  
Bagging average cross-validation accuracy: 0.7562  
AdaBoost average cross-validation accuracy: 0.7702  
GB average cross-validation accuracy: 0.7369

KNN best k: 1  
KNN best p: 1  
KNN cross-validation accuracy: 0.7329  
KNN test set accuracy: 0.6415

SVM best C: 1.0000  
SVM best gamma: 50.0000  
SVM cross-validation accuracy: 0.6917  
SVM test set accuracy: 0.6226

RF best n\_estimators: 60  
RF best max\_leaf\_nodes: 18  
RF cross-validation accuracy: 0.8013  
RF test set accuracy: 0.6792  
RF test set macro average F1: 0.6674  
RF test set weighted average F1: 0.6781