

به نام خدا

برای تعلیم از 2 فیچر استفاده کردیم. کلمه 3 و 4 از آخر.

بعد از import و train نتایج به شکل زیر بود:

```
CA\Windows\system32\cmd.exe
= 0.7835497835497836
Trial 0 Trainer MaxEntTrainer, gaussianPriorVariance=1.0 test data recall(class2)
= 0.8621495327102804
Trial 0 Trainer MaxEntTrainer, gaussianPriorVariance=1.0 test data F1(class1) = 0
.8199320498301246
Trial 0 Trainer MaxEntTrainer, gaussianPriorVariance=1.0 test data F1(class2) = 0
.822742474916388
Trial 0 Trainer MaxEntTrainer, gaussianPriorVariance=1.0 test data accuracy = 0.8
213483146067416
Trial 0 Training NaiveBayesTrainer with 8010 instances
Trial 0 Training NaiveBayesTrainer finished
Trial 0 Trainer NaiveBayesTrainer training data accuracy = 0.8553058676654183
Trial 0 Trainer NaiveBayesTrainer Test Data Confusion Matrix
Confusion Matrix, row=true, column=predicted accuracy=0.7606741573033707 most-f
requent-tag baseline=0.5191011235955056
label 0 1 !total
0 class1 412 50 !462
1 class2 163 265 !428

Trial 0 Trainer NaiveBayesTrainer test data precision(class1) = 0.71652173913043
48
Trial 0 Trainer NaiveBayesTrainer test data precision(class2) = 0.84126984126984
13
Trial 0 Trainer NaiveBayesTrainer test data recall(class1) = 0.8917748917748918
Trial 0 Trainer NaiveBayesTrainer test data recall(class2) = 0.6191588785046729
Trial 0 Trainer NaiveBayesTrainer test data F1(class1) = 0.7945998071359691
Trial 0 Trainer NaiveBayesTrainer test data F1(class2) = 0.7133243606998655
Trial 0 Trainer NaiveBayesTrainer test data accuracy = 0.7606741573033707

MaxEntTrainer, gaussianPriorVariance=1.0
Summary. train accuracy mean = 0.8794007490636704 stddev = 0.0 stderr = 0.0
Summary. test accuracy mean = 0.8213483146067416 stddev = 0.0 stderr = 0.0
Summary. test precision(class1) mean = 0.8598574821852731 stddev = 0.0 stderr =
0.0
Summary. test precision(class2) mean = 0.7867803837953091 stddev = 0.0 stderr =
0.0
Summary. test recall(class1) mean = 0.7835497835497836 stddev = 0.0 stderr = 0.0
Summary. test recall(class2) mean = 0.8621495327102804 stddev = 0.0 stderr = 0.0

Summary. test f1(class1) mean = 0.8199320498301246 stddev = 0.0 stderr = 0.0
Summary. test f1(class2) mean = 0.822742474916388 stddev = 0.0 stderr = 0.0

NaiveBayesTrainer
Summary. train accuracy mean = 0.8553058676654183 stddev = 0.0 stderr = 0.0
Summary. test accuracy mean = 0.7606741573033707 stddev = 0.0 stderr = 0.0
Summary. test precision(class1) mean = 0.7165217391304348 stddev = 0.0 stderr =
0.0
Summary. test precision(class2) mean = 0.8412698412698413 stddev = 0.0 stderr =
0.0
Summary. test recall(class1) mean = 0.8917748917748918 stddev = 0.0 stderr = 0.0
Summary. test recall(class2) mean = 0.6191588785046729 stddev = 0.0 stderr = 0.0

Summary. test f1(class1) mean = 0.7945998071359691 stddev = 0.0 stderr = 0.0
Summary. test f1(class2) mean = 0.7133243606998655 stddev = 0.0 stderr = 0.0
C:\mallet>
```