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1 "C:\Users\Soumik Dey\Anaconda3\python.exe" "C:/Users/
  Soumik Dey/PycharmProjects/amlproject/all_data_fitting.py"
2 C:\Users\Soumik Dey\Anaconda3\lib\site-packages\gensim\
  utils.py:855: UserWarning: detected Windows; aliasing
  chunkize to chunkize_serial
3   warnings.warn("detected Windows; aliasing chunkize to
  chunkize_serial")
4
5   Baseline:
6   Test Accuracy:  0.523415977961
7 C:\Users\Soumik Dey\Anaconda3\lib\site-packages\sklearn\
  metrics\classification.py:1074: UndefinedMetricWarning:
  Precision and F-score are ill-defined and being set to 0.0
  in labels with no predicted samples.
8   'precision', 'predicted', average, warn_for)
9           precision    recall  f1-score   support
10
11          0          0.00      0.00      0.00        173
12          1          0.52      1.00      0.69        190
13
14   avg / total          0.27      0.52      0.36        363
15
16
17   Features:  Unigrams
18   GaussianNB
19   Test Accuracy:  0.710743801653
20           precision    recall  f1-score
21   support
22          0          0.66      0.82      0.73
23   173
24          1          0.79      0.61      0.69
25   190
26
27   avg / total          0.73      0.71      0.71
28   363
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chunkize_serial")
39
40
41
42
43
44
45 LogisticRegression
46 Best hyperparameters: {'clf__C': 10.0}
47 Validation Accuracy: 0.784073506891
48 Test Accuracy: 0.776859504132
49
precision recall f1-score
support
50
51 0 0.79 0.72 0.75
173
52 1 0.76 0.83 0.80
190
53
54 avg / total 0.78 0.78 0.78
363
55
56 SVC
57 Test Accuracy: 0.754820936639

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58                precision    recall  f1-score
   support
59
60                0          0.79      0.66      0.72
   173
61                1          0.73      0.84      0.78
   190
62
63      avg / total          0.76      0.75      0.75
   363

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64
65
66      Features:  LDA
67      GaussianNB
68      Test Accuracy:  0.619834710744
69                precision    recall  f1-score
   support
70
71                0          0.84      0.25      0.38
   173
72                1          0.58      0.96      0.73
   190
73
74      avg / total          0.71      0.62      0.56
   363

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75
76 C:\Users\Soumik Dey\Anaconda3\lib\site-packages\gensim\
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83 chunkize_serial")
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  chunkize_serial")
88
89
90
91
92
93
94 LogisticRegression
95     Best hyperparameters:  {'clf__C': 0.1}
96     Validation Accuracy:  0.634303215926
97     Test Accuracy:  0.64738292011
98
99         precision    recall  f1-score
100 support
101
102         0          0.64      0.61      0.62
103         173
104         1          0.66      0.68      0.67
105         190
106
107         avg / total          0.65      0.65      0.65
108         363
109
110 SVC
111     Test Accuracy:  0.628099173554
112
113         precision    recall  f1-score
114 support
115
116         0          0.59      0.71      0.65
117         173
118         1          0.68      0.55      0.61
119         190
120
121         avg / total          0.64      0.63      0.63
122         363
123

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114
115     Features:  Sentiment
116         GaussianNB
117         Test Accuracy:  0.606060606061
118             precision      recall   f1-score
support
119
120             0             0.58      0.61      0.59
173
121             1             0.63      0.61      0.62
190
122
123         avg / total      0.61      0.61      0.61
363
124
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137
138
139
140
141
142     LogisticRegression
143         Best hyperparameters:  {'clf__C': 0.1}
144         Validation Accuracy:  0.603981623277
145         Test Accuracy:  0.597796143251
146             precision      recall   f1-score
support
147
148             0            0.59      0.50      0.54
173
149             1            0.60      0.69      0.64
190
150
151         avg / total      0.60      0.60      0.59
363
152
153     SVC
154         Test Accuracy:  0.600550964187
155             precision      recall   f1-score
support
156
157             0            0.59      0.52      0.55
173
158             1            0.61      0.67      0.64
190
159
160         avg / total      0.60      0.60      0.60
363
161
162
163     Features:  All_f
164     GaussianNB
165         Test Accuracy:  0.716253443526
166             precision      recall   f1-score
support
167
168             0            0.68      0.77      0.72
173
169             1            0.76      0.66      0.71
190
170

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171          avg / total          0.72          0.72          0.72
172          363
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184     warnings.warn("detected Windows; aliasing chunkize to
chunkize_serial")
185
186
187
188
189
190
191     LogisticRegression
192         Best hyperparameters:  {'clf__C': 10.0}
193         Validation Accuracy:  0.768147013783
194         Test Accuracy:  0.765840220386
195             precision      recall    f1-score
support

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196
197           0           0.76           0.75           0.75
198           1           0.77           0.78           0.78
199
200     avg / total           0.77           0.77           0.77
201
202     SVC
203     Test Accuracy:  0.757575757576
204           precision     recall     f1-score
205     support
206           0           0.75           0.75           0.75
207           1           0.77           0.77           0.77
208
209     avg / total           0.76           0.76           0.76
210
211
212
213
214 Process finished with exit code 0
215
```