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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               precision    recall  f1-score   support
8 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.
9
10  'precision', 'predicted', average, warn_for)
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:  Sentiment
18  GaussianNB
19  Test Accuracy:  0.606060606061
20              precision    recall  f1-score
21  support
22              0          0.58          0.61          0.59
23  173
24              1          0.63          0.61          0.62
25  190
26
27  avg / total          0.61          0.61          0.61
28  363
29 C:\Users\Soumik Dey\Anaconda3\lib\site-packages\gensim\
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38 warnings.warn("detected Windows; aliasing chunkize to
chunkize_serial")
39
40
41
42
43
44 LogisticRegression
45     Best hyperparameters: {'clf__C': 0.1}
46     Validation Accuracy: 0.603981623277
47     Test Accuracy: 0.597796143251
48
49
50
51
52
53
54
55
56
57

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		precision	recall	f1-score
support				
0	173	0.59	0.50	0.54
1	190	0.60	0.69	0.64
avg / total	363	0.60	0.60	0.59

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SVC
Test Accuracy: 0.600550964187
precision recall f1-score

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57 support
58
59           0           0.59           0.52           0.55
    173
60           1           0.61           0.67           0.64
    190
61
62     avg / total           0.60           0.60           0.60
    363
63
64
65     Features:  Bigrams
66     GaussianNB
67     Test Accuracy:  0.683195592287
68           precision      recall      f1-score
support
69
70           0           0.64           0.76           0.70
    173
71           1           0.74           0.61           0.67
    190
72
73     avg / total           0.69           0.68           0.68
    363
74
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    chunkize to chunkize_serial
86     warnings.warn("detected Windows; aliasing chunkize to
    chunkize_serial")
87
88
89
90
91
92
93     LogisticRegression
94         Best hyperparameters:  {'clf__C': 10.0}
95         Validation Accuracy:  0.725267993874
96         Test Accuracy:  0.719008264463
97
98         precision      recall   f1-score
99         support
100
101             0          0.71      0.70      0.70
102         173
103             1          0.73      0.74      0.73
104         190
105
106         avg / total      0.72      0.72      0.72
107         363
108
109     SVC
110         Test Accuracy:  0.710743801653
111
112         precision      recall   f1-score
113         support
114
115             0          0.69      0.71      0.70
116         173
117             1          0.73      0.71      0.72
118         190
119
120         avg / total      0.71      0.71      0.71
121         363

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114         Features:   LDA
115             GaussianNB
116                 Test Accuracy:   0.619834710744
117                     precision      recall    f1-score
118 support
119           0          0.84        0.25        0.38
120       173
121           1          0.58        0.96        0.73
122       190
123
124     avg / total          0.71        0.62        0.56
125     363
126
127 C:\Users\Soumik Dey\Anaconda3\lib\site-packages\gensim\
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129 chunkize to chunkize_serial
130 warnings.warn("detected Windows; aliasing chunkize to
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133 utils.py:855: UserWarning: detected Windows; aliasing
134 chunkize to chunkize_serial
135 warnings.warn("detected Windows; aliasing chunkize to
136 chunkize_serial")

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137
138
139
140
141
142     LogisticRegression
143         Best hyperparameters:  {'clf__C': 0.1}
144         Validation Accuracy:  0.634303215926
145         Test Accuracy:  0.64738292011
146             precision    recall  f1-score
147     support
148             0          0.64      0.61      0.62
149     173
149             1          0.66      0.68      0.67
150     190
151     avg / total          0.65      0.65      0.65
152     363
153     SVC
154         Test Accuracy:  0.628099173554
155             precision    recall  f1-score
156     support
157             0          0.59      0.71      0.65
158     173
158             1          0.68      0.55      0.61
159     190
160     avg / total          0.64      0.63      0.63
161     363
162
163     Features:  All_f
164     GaussianNB
165         Test Accuracy:  0.707988980716
166             precision    recall  f1-score
167     support
168             0          0.69      0.69      0.69
169     173
169             1          0.72      0.72      0.72
170     190
170

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171         avg / total         0.71         0.71         0.71
172     363
173 C:\Users\Soumik Dey\Anaconda3\lib\site-packages\gensim\
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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:  0.746707503828
194         Test Accuracy:  0.732782369146
195             precision      recall    f1-score
support

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```
196
197           0           0.76           0.64           0.69
198           1           0.71           0.82           0.76
199
200     avg / total           0.74           0.73           0.73
201     363
202     SVC
203     Test Accuracy:  0.743801652893
204           precision     recall     f1-score
205     support
206           0           0.76           0.68           0.72
207           1           0.73           0.80           0.77
208           190
209     avg / total           0.74           0.74           0.74
210     363
211
212
213
214 Process finished with exit code 0
215
```