

Top MNB Emotion - Alpha: 0.5 - Emotion

	precision	recall	f1-score	support
admiration	0.46	0.53	0.49	2111
amusement	0.51	0.44	0.47	1287
anger	0.31	0.18	0.23	1055
annoyance	0.19	0.11	0.14	1658
approval	0.24	0.13	0.17	2272
caring	0.24	0.15	0.19	680
confusion	0.24	0.12	0.16	944
curiosity	0.36	0.19	0.25	1194
desire	0.37	0.12	0.18	414
disappointment	0.21	0.08	0.11	938
disapproval	0.23	0.13	0.17	1521
disgust	0.40	0.17	0.23	594
embarrassment	0.34	0.05	0.09	264
excitement	0.28	0.10	0.15	607
fear	0.40	0.11	0.18	370
gratitude	0.72	0.73	0.72	1425
grief	0.00	0.00	0.00	68
joy	0.34	0.19	0.25	877
love	0.58	0.46	0.51	1003
nervousness	0.10	0.01	0.01	181
neutral	0.39	0.72	0.51	11069
optimism	0.38	0.22	0.28	928
pride	0.30	0.02	0.04	127
realization	0.18	0.07	0.10	937
relief	0.20	0.01	0.01	161
remorse	0.41	0.13	0.20	264
sadness	0.36	0.19	0.24	751
surprise	0.33	0.19	0.24	664
accuracy			0.39	34364
macro avg	0.32	0.20	0.23	34364
weighted avg	0.36	0.39	0.35	34364

Top MNB Emotion - Alpha: 0.5 - Sentiments

	precision	recall	f1-score	support
ambiguous	0.39	0.27	0.32	3739
negative	0.53	0.53	0.53	7664
neutral	0.49	0.48	0.48	11069
positive	0.63	0.71	0.66	11892
accuracy			0.55	34364
macro avg	0.51	0.50	0.50	34364
weighted avg	0.54	0.55	0.54	34364

TOP MNB without stopwords - Alpha: 0.5 - emotions

	precision	recall	f1-score	support
admiration	0.47	0.49	0.48	2105
amusement	0.55	0.38	0.45	1240
anger	0.38	0.17	0.24	1058
annoyance	0.20	0.10	0.13	1635
approval	0.26	0.11	0.15	2306
caring	0.28	0.07	0.11	698
confusion	0.30	0.08	0.12	996
curiosity	0.35	0.10	0.16	1156
desire	0.45	0.07	0.12	429
disappointment	0.20	0.05	0.08	950
disapproval	0.24	0.09	0.13	1569
disgust	0.33	0.10	0.15	596
embarrassment	0.32	0.04	0.08	271
excitement	0.25	0.06	0.10	601
fear	0.47	0.12	0.19	363
gratitude	0.76	0.71	0.73	1475
grief	0.00	0.00	0.00	62
joy	0.35	0.19	0.24	798
love	0.60	0.43	0.50	1012
nervousness	0.43	0.02	0.03	171
neutral	0.38	0.79	0.51	10956
optimism	0.41	0.19	0.26	898
pride	0.25	0.01	0.02	122
realization	0.20	0.04	0.07	961
relief	0.12	0.01	0.01	162
remorse	0.54	0.13	0.21	309
sadness	0.36	0.14	0.20	750
surprise	0.33	0.14	0.20	715
accuracy			0.39	34364
macro avg	0.35	0.17	0.20	34364
weighted avg	0.37	0.39	0.33	34364

Top MNB without stopwords - Alpha: 0.5 -sentiments

	precision	recall	f1-score	support
ambiguous	0.40	0.22	0.28	3828
negative	0.54	0.53	0.54	7734
neutral	0.48	0.48	0.48	10956
positive	0.61	0.71	0.66	11846
accuracy			0.54	34364
macro avg	0.51	0.48	0.49	34364
weighted avg	0.53	0.54	0.53	34364

Base DT - emotions

	precision	recall	f1-score	support
admiration	0.40	0.56	0.47	2105
amusement	0.43	0.58	0.49	1240
anger	0.25	0.35	0.29	1058
annoyance	0.15	0.23	0.18	1635
approval	0.21	0.27	0.24	2306
caring	0.19	0.25	0.22	698
confusion	0.22	0.28	0.25	996
curiosity	0.33	0.35	0.34	1156
desire	0.24	0.28	0.26	429
disappointment	0.15	0.17	0.16	950
disapproval	0.25	0.24	0.24	1569
disgust	0.23	0.19	0.21	596
embarrassment	0.20	0.16	0.18	271
excitement	0.23	0.22	0.22	601
fear	0.43	0.37	0.40	363
gratitude	0.76	0.72	0.74	1475
grief	0.07	0.08	0.07	62
joy	0.27	0.24	0.25	798
love	0.56	0.52	0.54	1012
nervousness	0.16	0.11	0.13	171
neutral	0.50	0.43	0.46	10956
optimism	0.39	0.21	0.28	898
pride	0.13	0.05	0.07	122
realization	0.22	0.08	0.12	961
relief	0.16	0.06	0.08	162
remorse	0.38	0.31	0.34	309
sadness	0.36	0.18	0.24	750
surprise	0.35	0.19	0.24	715
accuracy			0.36	34364
macro avg	0.29	0.27	0.28	34364
weighted avg	0.37	0.36	0.36	34364

Base-DT sentiments

	precision	recall	f1-score	support
ambiguous	0.36	0.49	0.42	3828
negative	0.51	0.59	0.55	7734
neutral	0.50	0.48	0.49	10956
positive	0.72	0.60	0.65	11846
accuracy			0.55	34364
macro avg	0.52	0.54	0.53	34364
weighted avg	0.56	0.55	0.55	34364

Base-dt without stopwords emotion

	precision	recall	f1-score	support
admiration	0.40	0.57	0.47	2105
amusement	0.44	0.60	0.50	1240
anger	0.25	0.37	0.30	1058
annoyance	0.15	0.22	0.18	1635
approval	0.21	0.26	0.24	2306
caring	0.19	0.25	0.22	698
confusion	0.23	0.28	0.25	996
curiosity	0.31	0.32	0.32	1156
desire	0.23	0.28	0.26	429
disappointment	0.16	0.17	0.16	950
disapproval	0.24	0.23	0.24	1569
disgust	0.24	0.19	0.21	596
embarrassment	0.21	0.17	0.19	271
excitement	0.22	0.20	0.21	601
fear	0.44	0.41	0.42	363
gratitude	0.77	0.73	0.75	1475
grief	0.07	0.08	0.07	62
joy	0.27	0.24	0.25	798
love	0.55	0.54	0.54	1012
nervousness	0.18	0.12	0.14	171
neutral	0.50	0.44	0.47	10956
optimism	0.37	0.21	0.27	898
pride	0.14	0.06	0.08	122
realization	0.21	0.08	0.12	961
relief	0.17	0.06	0.09	162
remorse	0.40	0.31	0.35	309
sadness	0.36	0.19	0.25	750
surprise	0.35	0.18	0.24	715
accuracy			0.36	34364
macro avg	0.30	0.28	0.28	34364
weighted avg	0.37	0.36	0.36	34364

Base DT without stopwords sentiments

	precision	recall	f1-score	support
ambiguous	0.35	0.46	0.40	3828
negative	0.51	0.60	0.55	7734
neutral	0.50	0.48	0.49	10956
positive	0.71	0.60	0.65	11846
accuracy			0.54	34364
macro avg	0.52	0.53	0.52	34364
weighted avg	0.56	0.54	0.55	34364

Base MLP embedding emotions

	precision	recall	f1-score	support
admiration	0.49	0.47	0.48	2149
amusement	0.49	0.46	0.47	1258
anger	0.42	0.19	0.26	1021
annoyance	0.26	0.03	0.05	1664
approval	0.44	0.03	0.05	2298
caring	0.41	0.13	0.19	705
confusion	0.49	0.04	0.08	1034
curiosity	0.39	0.16	0.22	1189
desire	0.42	0.16	0.23	432
disappointment	0.30	0.02	0.04	925
disapproval	0.29	0.05	0.08	1528
disgust	0.46	0.12	0.19	604
embarrassment	0.37	0.08	0.13	290
excitement	0.37	0.10	0.15	562
fear	0.52	0.32	0.39	349
gratitude	0.76	0.76	0.76	1422
grief	0.10	0.01	0.02	72
joy	0.42	0.19	0.26	873
love	0.58	0.56	0.57	961
nervousness	0.56	0.05	0.10	164
neutral	0.39	0.87	0.54	10979
optimism	0.45	0.18	0.26	948
pride	0.57	0.03	0.05	141
realization	0.12	0.00	0.01	909
relief	0.00	0.00	0.00	149
remorse	0.46	0.35	0.40	322
sadness	0.41	0.19	0.26	731
surprise	0.35	0.17	0.23	685
accuracy			0.42	34364
macro avg	0.40	0.20	0.23	34364
weighted avg	0.41	0.42	0.34	34364

Base MLP embedding sentiments

	precision	recall	f1-score	support
ambiguous	0.43	0.30	0.36	3817
negative	0.49	0.59	0.54	7670
neutral	0.51	0.41	0.45	10979
positive	0.62	0.72	0.66	11898
accuracy			0.54	34364
macro avg	0.51	0.50	0.50	34364
weighted avg	0.54	0.54	0.53	34364

Base MLP for emotions classification

Default parameters

	precision	recall	f1-score	support
admiration	0.06	0.04	0.05	2095
amusement	0.03	0.02	0.02	1197
anger	0.03	0.02	0.02	1071
annoyance	0.05	0.03	0.04	1669
approval	0.06	0.04	0.05	2186
caring	0.01	0.01	0.01	742
confusion	0.02	0.02	0.02	975
curiosity	0.05	0.03	0.04	1233
desire	0.01	0.01	0.01	408
disappointment	0.03	0.02	0.02	945
disapproval	0.04	0.04	0.04	1555
disgust	0.03	0.02	0.02	619
embarrassment	0.00	0.00	0.00	293
excitement	0.03	0.02	0.02	607
fear	0.01	0.01	0.01	345
gratitude	0.04	0.03	0.03	1400
grief	0.00	0.00	0.00	61
joy	0.02	0.01	0.02	852
love	0.03	0.02	0.03	1040
nervousness	0.02	0.01	0.02	150
neutral	0.32	0.50	0.39	11096
optimism	0.02	0.01	0.01	881
pride	0.00	0.00	0.00	138
realization	0.02	0.02	0.02	911
relief	0.00	0.00	0.00	143
remorse	0.00	0.00	0.00	296
sadness	0.02	0.02	0.02	743
surprise	0.04	0.03	0.03	713
accuracy			0.18	34364
macro avg	0.03	0.03	0.03	34364
weighted avg	0.13	0.18	0.15	34364

Base MLP for sentiments classification

Default parameters

	precision	recall	f1-score	support
ambiguous	0.11	0.08	0.09	3796
negative	0.23	0.21	0.22	7796
neutral	0.32	0.38	0.35	10946
positive	0.34	0.34	0.34	11826
accuracy			0.29	34364
macro avg	0.25	0.25	0.25	34364
weighted avg	0.29	0.29	0.29	34364

Top MLP for emotions classification

```
{'activation': 'logistic', 'hidden_layer_sizes': (30, 50), 'solver': 'sgd'}
```

	precision	recall	f1-score	support
admiration	0.00	0.00	0.00	2095
amusement	0.00	0.00	0.00	1197
anger	0.00	0.00	0.00	1071
annoyance	0.00	0.00	0.00	1669
approval	0.00	0.00	0.00	2186
caring	0.00	0.00	0.00	742
confusion	0.00	0.00	0.00	975
curiosity	0.00	0.00	0.00	1233
desire	0.00	0.00	0.00	408
disappointment	0.00	0.00	0.00	945
disapproval	0.00	0.00	0.00	1555
disgust	0.00	0.00	0.00	619
embarrassment	0.00	0.00	0.00	293
excitement	0.00	0.00	0.00	607
fear	0.00	0.00	0.00	345
gratitude	0.00	0.00	0.00	1400
grief	0.00	0.00	0.00	61
joy	0.00	0.00	0.00	852
love	0.00	0.00	0.00	1040
nervousness	0.00	0.00	0.00	150
neutral	0.32	1.00	0.49	11096
optimism	0.00	0.00	0.00	881
pride	0.00	0.00	0.00	138
realization	0.00	0.00	0.00	911
relief	0.00	0.00	0.00	143
remorse	0.00	0.00	0.00	296
sadness	0.00	0.00	0.00	743
surprise	0.00	0.00	0.00	713
accuracy			0.32	34364
macro avg	0.01	0.04	0.02	34364

weighted avg	0.10	0.32	0.16	34364
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Top MLP for sentiments classification

```
{'activation': 'logistic', 'hidden_layer_sizes': (30, 50), 'solver': 'sgd'}
```

```
-----
                precision    recall  f1-score   support

ambiguous      0.00      0.00      0.00      3796
negative       0.00      0.00      0.00      7796
neutral        0.00      0.00      0.00     10946
positive       0.34      1.00      0.51     11826

accuracy              0.34      34364
macro avg      0.09      0.25      0.13      34364
weighted avg   0.12      0.34      0.18      34364
=====
```

Base MLP for emotions classification without stopwords

Default parameters

```
-----
                precision    recall  f1-score   support

admiration      0.06      0.04      0.05      2095
amusement       0.04      0.03      0.03      1197
anger           0.03      0.03      0.03      1071
annoyance       0.05      0.04      0.04      1669
approval        0.07      0.07      0.07      2186
caring          0.02      0.01      0.02       742
confusion       0.03      0.03      0.03       975
curiosity       0.04      0.02      0.03      1233
desire          0.01      0.01      0.01       408
disappointment  0.03      0.02      0.02       945
disapproval     0.04      0.03      0.03      1555
disgust         0.01      0.01      0.01       619
embarrassment   0.00      0.00      0.00       293
excitement      0.01      0.01      0.01       607
fear            0.00      0.00      0.00       345
gratitude       0.04      0.03      0.03      1400
grief           0.00      0.00      0.00        61
joy             0.02      0.01      0.02       852
love            0.03      0.02      0.02      1040
nervousness     0.00      0.00      0.00       150
neutral         0.33      0.52      0.40     11096
optimism        0.02      0.01      0.02       881
pride           0.02      0.01      0.02       138
realization     0.02      0.02      0.02       911
relief          0.00      0.00      0.00       143
remorse         0.01      0.01      0.01       296
sadness         0.02      0.01      0.02       743
```


surprise	0.02	0.02	0.02	713
accuracy			0.18	34364
macro avg	0.03	0.04	0.03	34364
weighted avg	0.13	0.18	0.15	34364

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Base MLP for sentiments classification without stopwords

Default parameters

```
-----
              precision    recall  f1-score   support

ambiguous     0.12      0.09      0.10      3796
negative      0.23      0.19      0.21      7796
neutral       0.32      0.32      0.32     10946
positive      0.35      0.42      0.38     11826

accuracy              0.30      34364
macro avg          0.25      0.25      0.25      34364
weighted avg       0.29      0.30      0.29      34364
=====
```

Top MLP for emotions classification without stopwords

```
{'activation': 'logistic', 'hidden_layer_sizes': (30, 50), 'solver':
'sgd'}
```

```
-----
              precision    recall  f1-score   support

admiration     0.00      0.00      0.00      2095
amusement      0.00      0.00      0.00      1197
  anger        0.00      0.00      0.00      1071
annoyance      0.00      0.00      0.00      1669
approval       0.00      0.00      0.00      2186
  caring      0.00      0.00      0.00       742
confusion      0.00      0.00      0.00       975
curiosity      0.00      0.00      0.00      1233
  desire      0.00      0.00      0.00       408
disappointment 0.00      0.00      0.00       945
disapproval    0.00      0.00      0.00     1555
  disgust     0.00      0.00      0.00       619
embarrassment 0.00      0.00      0.00       293
excitement     0.00      0.00      0.00       607
  fear        0.00      0.00      0.00       345
gratitude      0.00      0.00      0.00      1400
  grief       0.00      0.00      0.00        61
  joy         0.00      0.00      0.00       852
  love        0.00      0.00      0.00     1040
nervousness    0.00      0.00      0.00       150
  neutral     0.32      1.00      0.49     11096
optimism       0.00      0.00      0.00       881
  pride       0.00      0.00      0.00       138
```

realization	0.00	0.00	0.00	911
relief	0.00	0.00	0.00	143
remorse	0.00	0.00	0.00	296
sadness	0.00	0.00	0.00	743
surprise	0.00	0.00	0.00	713
accuracy			0.32	34364
macro avg	0.01	0.04	0.02	34364
weighted avg	0.10	0.32	0.16	34364

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Top MLP for sentiments classification without stopwords

```
{'activation': 'relu', 'hidden_layer_sizes': (10, 10, 10), 'solver': 'sgd'}
```

	precision	recall	f1-score	support
ambiguous	0.00	0.00	0.00	3796
negative	0.00	0.00	0.00	7796
neutral	0.00	0.00	0.00	10946
positive	0.34	1.00	0.51	11826
accuracy			0.34	34364
macro avg	0.09	0.25	0.13	34364
weighted avg	0.12	0.34	0.18	34364

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Top MLP for emotions classification with word embeddings (20 iters)

```
{'hidden_layer_sizes': (10, 10, 10), 'activation': 'relu', 'solver': 'adam'}
```

	precision	recall	f1-score	support
admiration	0.47	0.39	0.43	2107
amusement	0.45	0.35	0.40	1229
anger	0.26	0.09	0.14	1046
annoyance	0.09	0.00	0.00	1575
approval	0.20	0.00	0.00	2209
caring	0.50	0.03	0.05	726
confusion	0.23	0.01	0.03	1012
curiosity	0.30	0.15	0.20	1151
desire	0.50	0.05	0.10	446
disappointment	0.00	0.00	0.00	938
disapproval	0.00	0.00	0.00	1547
disgust	0.40	0.01	0.02	564
embarrassment	0.00	0.00	0.00	332
excitement	0.17	0.00	0.00	606
fear	0.00	0.00	0.00	364
gratitude	0.73	0.74	0.74	1464
grief	0.00	0.00	0.00	67
joy	0.30	0.08	0.12	846

love	0.51	0.57	0.54	1021
nervousness	0.00	0.00	0.00	153
neutral	0.37	0.90	0.52	10927
optimism	0.34	0.12	0.17	946
pride	0.00	0.00	0.00	139
realization	0.00	0.00	0.00	949
relief	0.00	0.00	0.00	161
remorse	0.34	0.16	0.22	314
sadness	0.27	0.16	0.20	780
surprise	0.00	0.00	0.00	745
accuracy			0.39	34364
macro avg	0.23	0.14	0.14	34364
weighted avg	0.30	0.39	0.28	34364

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Top MLP for sentiments classification with word embeddings (20 iters)

```
{'hidden_layer_sizes': (10, 10, 10), 'activation': 'relu', 'solver': 'adam'}
```

```
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```

	precision	recall	f1-score	support
ambiguous	0.45	0.16	0.24	3857
negative	0.55	0.38	0.45	7680
neutral	0.47	0.52	0.49	10927
positive	0.57	0.74	0.64	11900
accuracy			0.52	34364
macro avg	0.51	0.45	0.46	34364
weighted avg	0.52	0.52	0.51	34364

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Base MNB, no params, Emotions Classification

	precision	recall	f1-score	support
admiration	0.47	0.44	0.46	2111
amusement	0.54	0.30	0.38	1215
anger	0.39	0.14	0.21	1003
annoyance	0.22	0.07	0.11	1704
approval	0.23	0.09	0.12	2272
caring	0.25	0.04	0.08	724
confusion	0.32	0.06	0.10	1022
curiosity	0.41	0.11	0.18	1200
desire	0.59	0.05	0.09	433
disappointment	0.26	0.04	0.07	956
disapproval	0.25	0.08	0.12	1505
disgust	0.39	0.07	0.13	550
embarrassment	0.62	0.02	0.03	288
excitement	0.34	0.05	0.08	599
fear	0.48	0.04	0.08	342
gratitude	0.75	0.67	0.71	1430
grief	0.00	0.00	0.00	76
joy	0.37	0.13	0.19	910
love	0.60	0.34	0.43	969
nervousness	0.67	0.01	0.03	150
neutral	0.37	0.85	0.51	11028
optimism	0.50	0.14	0.22	899
pride	0.00	0.00	0.00	161
realization	0.27	0.04	0.07	926
relief	0.00	0.00	0.00	153
remorse	0.49	0.06	0.10	295
sadness	0.38	0.09	0.14	751
surprise	0.39	0.08	0.13	692
accuracy			0.39	34364
macro avg	0.38	0.14	0.17	34364
weighted avg	0.38	0.39	0.31	34364

Base MNB, no params, Sentiments Classification

	precision	recall	f1-score	support
ambiguous	0.43	0.24	0.31	3871
negative	0.53	0.51	0.52	7812
neutral	0.48	0.50	0.49	11003
positive	0.62	0.70	0.66	11678
accuracy			0.54	34364
macro avg	0.51	0.49	0.49	34364
weighted avg	0.53	0.54	0.53	34364

Top DT, {'criterion': 'gini', 'max_depth': 5, 'min_samples_split': 5},
Emotions Classification

	precision	recall	f1-score	support
admiration	0.53	0.11	0.18	2053
amusement	0.53	0.32	0.40	1183
anger	0.00	0.00	0.00	1023
annoyance	0.00	0.00	0.00	1691
approval	0.00	0.00	0.00	2282
caring	0.00	0.00	0.00	705
confusion	0.00	0.00	0.00	1049
curiosity	0.00	0.00	0.00	1199
desire	0.00	0.00	0.00	423
disappointment	0.00	0.00	0.00	942
disapproval	0.00	0.00	0.00	1602
disgust	0.00	0.00	0.00	564
embarrassment	0.00	0.00	0.00	277
excitement	0.00	0.00	0.00	586
fear	0.00	0.00	0.00	345
gratitude	0.86	0.74	0.79	1412
grief	0.00	0.00	0.00	62
joy	0.00	0.00	0.00	839
love	0.56	0.61	0.59	939
nervousness	0.00	0.00	0.00	137
neutral	0.35	0.97	0.51	11064
optimism	0.00	0.00	0.00	932
pride	0.00	0.00	0.00	144
realization	0.00	0.00	0.00	1000
relief	0.20	0.01	0.02	158
remorse	0.43	0.01	0.02	308
sadness	0.00	0.00	0.00	745
surprise	0.00	0.00	0.00	700
accuracy			0.38	34364
macro avg	0.12	0.10	0.09	34364
weighted avg	0.22	0.38	0.24	34364

Top DT, {'criterion': 'gini', 'max_depth': 5, 'min_samples_split': 4},
Sentiments Classification

	precision	recall	f1-score	support
ambiguous	0.25	0.00	0.00	3948
negative	0.00	0.00	0.00	7696
neutral	0.35	0.95	0.51	11064
positive	0.76	0.26	0.39	11656
accuracy			0.40	34364
macro avg	0.34	0.30	0.23	34364
weighted avg	0.40	0.40	0.30	34364

Base MNB without Stop Words, no params, Emotions Classification

	precision	recall	f1-score	support
admiration	0.48	0.44	0.46	2129
amusement	0.53	0.34	0.41	1222
anger	0.31	0.12	0.18	999
annoyance	0.20	0.07	0.11	1688
approval	0.27	0.10	0.14	2204
caring	0.24	0.04	0.07	727
confusion	0.28	0.04	0.08	1000
curiosity	0.39	0.10	0.16	1153
desire	0.41	0.05	0.10	444
disappointment	0.28	0.05	0.08	927
disapproval	0.23	0.06	0.10	1610
disgust	0.38	0.11	0.17	562
embarrassment	0.50	0.04	0.07	279
excitement	0.32	0.05	0.09	590
fear	0.44	0.07	0.12	351
gratitude	0.78	0.69	0.73	1389
grief	0.00	0.00	0.00	62
joy	0.36	0.14	0.20	821
love	0.58	0.37	0.45	1003
nervousness	0.33	0.01	0.03	142
neutral	0.37	0.84	0.52	11131
optimism	0.44	0.14	0.22	929
pride	0.00	0.00	0.00	138
realization	0.24	0.05	0.08	949
relief	0.00	0.00	0.00	154
remorse	0.40	0.07	0.12	291
sadness	0.34	0.09	0.14	772
surprise	0.34	0.10	0.16	698
accuracy			0.39	34364
macro avg	0.34	0.15	0.18	34364
weighted avg	0.37	0.39	0.32	34364

Base MNB without Stop Words, no params, Sentiments Classification

	precision	recall	f1-score	support
ambiguous	0.40	0.20	0.27	3800
negative	0.54	0.52	0.53	7683
neutral	0.48	0.48	0.48	11131
positive	0.61	0.72	0.66	11750
accuracy			0.54	34364
macro avg	0.51	0.48	0.48	34364
weighted avg	0.53	0.54	0.53	34364

Top DT without Stop Words, {'criterion': 'gini', 'max_depth': 5, 'min_samples_split': 5}, Emotions Classification

admiration	0.57	0.12	0.20	2129
amusement	0.57	0.34	0.43	1222
anger	0.00	0.00	0.00	999
annoyance	1.00	0.00	0.00	1688
approval	0.00	0.00	0.00	2204
caring	0.00	0.00	0.00	727
confusion	0.00	0.00	0.00	1000
curiosity	0.00	0.00	0.00	1153
desire	0.00	0.00	0.00	444
disappointment	0.00	0.00	0.00	927
disapproval	0.00	0.00	0.00	1610
disgust	0.00	0.00	0.00	562
embarrassment	0.00	0.00	0.00	279
excitement	0.00	0.00	0.00	590
fear	0.00	0.00	0.00	351
gratitude	0.86	0.74	0.79	1389
grief	0.00	0.00	0.00	62
joy	0.00	0.00	0.00	821
love	0.55	0.61	0.58	1003
nervousness	0.00	0.00	0.00	142
neutral	0.35	0.97	0.51	11131
optimism	0.00	0.00	0.00	929
pride	0.00	0.00	0.00	138
realization	0.00	0.00	0.00	949
relief	0.00	0.00	0.00	154
remorse	0.50	0.01	0.02	291
sadness	0.00	0.00	0.00	772
surprise	0.00	0.00	0.00	698
accuracy			0.38	34364
macro avg	0.16	0.10	0.09	34364
weighted avg	0.27	0.38	0.24	34364

Top DT without Stop Words, {'criterion': 'entropy', 'max_depth': 5, 'min_samples_split': 4}, Sentiments Classification

	precision	recall	f1-score	support
ambiguous	0.33	0.00	0.00	3800
negative	0.44	0.00	0.00	7683
neutral	0.35	0.95	0.51	11131
positive	0.77	0.27	0.40	11750
accuracy			0.40	34364
macro avg	0.47	0.31	0.23	34364
weighted avg	0.51	0.40	0.30	34364

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Base MLP embedding on Twitter-25 model(100 iters) - Sentiments

	precision	recall	f1-score	support
ambiguous	0.41	0.13	0.20	3857
negative	0.41	0.40	0.40	7680
neutral	0.41	0.49	0.45	10927
positive	0.55	0.57	0.56	11900
accuracy			0.46	34364
macro avg	0.44	0.40	0.40	34364
weighted avg	0.46	0.46	0.45	34364

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Base MLP embedding on Twitter-25 model (100 iters) - Emotions

	precision	recall	f1-score	support
admiration	0.35	0.31	0.33	2107
amusement	0.36	0.10	0.15	1229
anger	0.37	0.04	0.07	1046
annoyance	0.18	0.00	0.01	1575
approval	0.75	0.00	0.00	2209
caring	0.24	0.01	0.03	726
confusion	0.29	0.01	0.02	1012
curiosity	0.29	0.09	0.14	1151
desire	0.37	0.02	0.04	446
disappointment	0.40	0.00	0.00	938
disapproval	0.33	0.01	0.01	1547
disgust	0.51	0.04	0.07	564
embarrassment	1.00	0.00	0.01	332
excitement	0.27	0.02	0.04	606
fear	0.50	0.07	0.12	364
gratitude	0.46	0.33	0.39	1464
grief	0.00	0.00	0.00	67
joy	0.25	0.03	0.05	846
love	0.37	0.31	0.33	1021
nervousness	0.00	0.00	0.00	153
neutral	0.34	0.91	0.50	10927
optimism	0.26	0.03	0.06	946
pride	0.00	0.00	0.00	139
realization	0.00	0.00	0.00	949
relief	0.00	0.00	0.00	161
remorse	0.47	0.03	0.05	314
sadness	0.43	0.04	0.07	780
surprise	0.12	0.00	0.00	745
accuracy			0.35	34364
macro avg	0.32	0.09	0.09	34364
weighted avg	0.35	0.35	0.23	34364

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Base MLP embedding on Wiki-300 model(100 iters) - Sentiments

	precision	recall	f1-score	support
ambiguous	0.48	0.21	0.29	3857
negative	0.48	0.49	0.49	7680
neutral	0.45	0.45	0.45	10927
positive	0.58	0.68	0.63	11900
accuracy			0.51	34364
macro avg	0.50	0.46	0.46	34364
weighted avg	0.51	0.51	0.50	34364

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Base MLP embedding on Wiki-300 model(100 iters) - Emotions

	precision	recall	f1-score	support
admiration	0.41	0.44	0.43	2107
amusement	0.43	0.40	0.41	1229
anger	0.34	0.14	0.20	1046
annoyance	0.23	0.03	0.06	1575
approval	0.34	0.03	0.06	2209
caring	0.35	0.06	0.10	726
confusion	0.31	0.08	0.12	1012
curiosity	0.38	0.23	0.29	1151
desire	0.45	0.11	0.18	446
disappointment	0.16	0.01	0.02	938
disapproval	0.25	0.07	0.11	1547
disgust	0.28	0.12	0.17	564
embarrassment	0.45	0.06	0.10	332
excitement	0.38	0.07	0.11	606
fear	0.42	0.22	0.29	364
gratitude	0.61	0.52	0.57	1464
grief	0.08	0.01	0.02	67
joy	0.28	0.19	0.22	846
love	0.48	0.59	0.53	1021
nervousness	0.19	0.03	0.06	153
neutral	0.38	0.83	0.52	10927
optimism	0.46	0.11	0.18	946
pride	0.24	0.04	0.06	139
realization	0.00	0.00	0.00	949
relief	0.00	0.00	0.00	161
remorse	0.37	0.25	0.30	314
sadness	0.42	0.17	0.24	780
surprise	0.40	0.07	0.12	745
accuracy			0.39	34364
macro avg	0.32	0.17	0.20	34364
weighted avg	0.36	0.39	0.31	34364