

Test size: 0.2  
Model: base\_MLP  
HyperParams:

Classifications: Emotions

Confusion Matrix:

View Visual matrix at:

[./precision/confusion\\_matrix\\_figures/base\\_MLP\\_emotions\\_0.png](#)

```
[[1218 26 9 11 58 9 2 9 12 8 4 7 2 22
  5 41 0 37 88 0 497 21 1 4 0 1 3 39]
 [ 36 726 7 12 9 0 3 6 3 1 3 1 3 6
  1 9 0 33 12 2 330 4 0 1 0 5 2 18]
 [ 8 15 309 69 15 4 5 10 3 10 9 17 3 1
  8 4 0 4 3 0 533 4 0 3 0 6 6 13]
 [ 33 43 129 131 43 5 18 25 10 18 24 31 8 8
  15 10 0 9 14 1 1040 15 0 9 0 7 17 25]
 [140 32 14 29 313 26 25 13 19 20 26 6 2 6
  4 18 0 29 52 1 1378 32 0 11 0 9 13 8]
 [ 29 8 4 8 19 99 5 5 5 4 6 2 0 0
  5 7 0 14 10 1 374 31 0 2 1 15 13 2]
 [ 14 18 12 14 14 4 160 54 1 4 8 5 0 3
  4 8 0 6 13 0 588 4 0 15 0 3 2 11]
 [ 25 17 9 11 16 3 36 219 5 5 6 3 3 7
  8 8 0 6 11 1 707 4 0 4 0 4 2 23]
 [ 11 8 2 1 8 4 3 2 119 0 0 1 0 2
  2 1 0 4 21 0 217 31 0 0 0 1 0 1]
 [ 20 18 23 21 29 5 8 4 7 93 15 12 9 0
  11 7 0 5 10 4 564 9 0 5 0 13 61 17]
 [ 29 29 26 34 69 9 41 10 6 28 110 20 9 2
  14 12 0 6 8 1 1012 16 0 7 0 15 17 7]
 [ 9 12 47 40 9 1 2 1 1 10 13 142 6 2
  16 1 0 1 1 0 249 5 0 0 0 2 9 6]
 [ 4 4 9 14 7 3 6 1 0 2 5 7 53 0
  3 2 0 1 4 0 155 4 0 0 0 8 4 7]
 [ 65 19 11 2 12 0 4 14 0 1 1 1 0 66
  1 13 0 46 19 2 278 9 0 3 0 0 4 26]
 [ 3 5 2 5 3 2 0 1 0 3 3 5 2 0
  135 2 0 1 0 6 128 6 0 2 0 0 3 0]
 [104 5 1 1 8 12 6 0 1 2 0 0 0 1
  0 1096 0 36 8 0 86 18 0 1 0 20 3 0]
 [ 1 0 0 0 2 1 0 0 0 1 0 0 0 0
  3 2 0 0 0 0 35 0 0 0 0 2 9 2]
 [ 81 102 3 3 19 6 1 6 3 2 1 0 0 12
  4 29 0 234 62 0 225 7 0 1 1 2 4 6]
 [ 68 17 6 0 12 2 1 1 6 1 0 0 0 0
  1 7 0 28 648 0 188 7 0 1 0 2 3 5]
 [ 4 1 3 6 3 5 4 2 1 9 2 1 1 2
  12 1 0 1 0 18 97 5 0 0 0 0 7 2]
 [348 217 151 121 326 87 132 166 69 107 136 52 22 34
  62 70 1 88 123 4 8402 99 1 53 1 38 72 85]
 [ 50 13 4 5 28 15 9 5 25 7 8 2 1 5
  1 15 0 17 17 2 381 289 0 4 1 2 2 6]
 [ 31 2 1 1 5 2 0 0 0 4 1 0 0 0
```

```

0 3 0 7 0 0 89 4 3 0 0 0 3 1]
[ 25 24 7 11 48 5 7 3 6 13 4 3 0 3
 7 8 0 4 8 0 672 10 0 61 0 5 7 31]
[ 19 2 1 1 7 9 1 2 0 1 0 0 0 0
 1 12 0 14 2 1 75 1 0 0 2 1 4 0]
[ 2 3 4 2 6 2 1 0 3 7 1 2 4 0
 0 7 0 0 2 1 58 1 0 1 0 144 21 0]
[ 13 12 11 9 15 7 3 2 7 47 7 6 2 0
 9 5 0 5 6 2 346 7 0 4 1 81 184 4]
[ 32 7 14 3 12 0 10 24 3 5 2 4 0 13
 6 2 0 3 2 0 307 3 0 3 0 2 2 232]]

```

# Classssification Report:

View formatted classification report at:

./precision/classification\_reports/base\_MLP\_0.txt

precision recall f1-score support

admiration	0.50	0.57	0.53	2134
amusement	0.52	0.59	0.55	1233
anger	0.38	0.29	0.33	1062
annoyance	0.23	0.08	0.12	1688
approval	0.28	0.14	0.19	2226
caring	0.30	0.15	0.20	669
confusion	0.32	0.17	0.22	965
curiosity	0.37	0.19	0.25	1143
desire	0.38	0.27	0.32	439
disappointment	0.23	0.10	0.13	970
disapproval	0.28	0.07	0.11	1537
disgust	0.43	0.24	0.31	585
embarrassment	0.41	0.17	0.24	303
excitement	0.34	0.11	0.17	597
fear	0.40	0.43	0.41	317
gratitude	0.78	0.78	0.78	1409
grief	0.00	0.00	0.00	58
joy	0.37	0.29	0.32	814
love	0.57	0.65	0.60	1004
nervousness	0.38	0.10	0.15	187
neutral	0.44	0.76	0.56	11067
optimism	0.45	0.32	0.37	914
pride	0.60	0.02	0.04	157
realization	0.31	0.06	0.10	972
relief	0.29	0.01	0.02	156
remorse	0.37	0.53	0.44	272
sadness	0.39	0.23	0.29	795
surprise	0.40	0.34	0.37	691
accuracy		0.44		34364
macro avg	0.38	0.27	0.29	34364
weighted avg	0.41	0.44	0.40	34364

Classifications: Emotions

Confusion Matrix:

View Visual matrix at:

[./precision/confusion\\_matrix\\_figures/base\\_MLP\\_sentiments\\_0.png](#)

```
[[1113 570 1462 626]
```

```
[ 328 4381 2039 1026]
```

```
[ 733 1959 6058 2317]
```

```
[ 326 927 2323 8176]]
```

Classsification Report:

View formatted classification report at:

[./precision/classification\\_reports/base\\_MLP\\_1.txt](#)

	precision	recall	f1-score	support
ambiguous	0.45	0.30	0.35	3771
negative	0.56	0.56	0.56	7774
neutral	0.51	0.55	0.53	11067
positive	0.67	0.70	0.68	11752
accuracy		0.57		34364
macro avg	0.55	0.53	0.53	34364
weighted avg	0.57	0.57	0.57	34364