

Model: base_MLP_2.5

HyperParams:

Classifications: Emotions

Confusion Matrix:

View Visual matrix at:

[./precision/confusion_matrix_figures/base_MLP_2.5_emotions_1.png](#)

```
[[ 2536  54  13  20  53  16  10  16  11  3  16  13
    3  33  11 118  0 118 218  0 1800  55  0  5
    0  1  6  92]
 [ 101 1673  16  33  11  1  7  6  1  3  8  3
    2  10  4  21  0 109  34  0 1028  9  0  5
    0  9  8  28]
 [ 26  35 563 209  15  8  16  17  2  7  43  41
    0  1  12  11  0  16  14  0 1534 10  0  3
    0 11  14  17]
 [ 62 105 217 359  40  14  33  32  8 10  94  74
    7  7  23  21  0  21  43  0 2888 16  0  5
    0 18  32  40]
 [ 298  70  13  63 416  40  33  24 11 10  83  27
    2  14  18  44  0  81  92  0 4068 71  0  21
    0 13  28  22]
 [ 45  20  14  22  13 155  8  5 10  4  23  5
    0  1  9  22  0  35  30  0 1182 85  0  3
    0 37  16  4]
 [ 32  39  19  25  13  7  303  62  2  1  38  13
    1  3  8  12  0  17  14  0 1787  7  0  14
    0  9  6  24]
 [ 53  40  20  25  10  5  79  333  4  2  16  7
    5 11  8  6  0  20  27  0 2149 10  0  4
    0 12  4  60]
 [ 20  15  6  7  7  6  3  2  221  1  7  2
    0  3  2  11  0  18  39  0  634  66  0  1
    0  2  4  3]
 [ 45  31  31  72  32  11  18  5  12  89  53  34
    9  5  17  9  0  16  29  0 1746 21  0  10
    0 38  91  23]
 [ 44  62  67  79  55  10  54  14  6  15  279  46
    5  1  20  19  0  24  24  0 2941 27  0  12
    0 29  26  21]
 [ 15  19  98  85  7  0  4  2  1  4  34  266
    3  1  25  3  0  5  6  0  827  9  0  2
    0  4  11  6]
 [  8  19  14  46  7  2  5  3  0  2  14  14
    45  1  5  5  0  2  10  0  492  6  0  5
    0 22  9  13]
 [ 152  23  17  7  16  1  3  16  5  1  6  3
    1 145  1  29  0 135  44  0  849 16  0  3
    0  1  6  73]
 [  5  12  9  13  5  4  1  1  1  4  10  12
    0  1 269  1  0  2  5  0  506 10  0  5
    0  2  4  3]
 [ 220  22  1  4  4  21  1  1  2  0  5  0
```

```

0 4 0 2734 0 98 22 0 321 60 0 1
0 60 6 2]
[ 3 3 3 4 1 2 1 0 1 0 3 0
1 0 6 1 0 1 1 0 115 2 0 0
0 11 14 1]
[ 146 225 8 7 10 9 2 4 5 1 2 5
0 21 6 47 0 639 141 0 783 22 0 2
0 2 6 21]
[ 147 25 8 3 10 4 1 0 1 1 4 1
0 0 1 14 0 51 1601 0 637 17 0 0
0 2 3 6]
[ 7 1 12 17 6 6 5 2 0 5 4 3
2 0 16 1 0 2 1 0 304 11 0 0
0 3 7 3]
[ 679 442 278 364 256 139 293 204 94 59 379 103
20 62 87 167 0 257 307 0 22551 244 0 69
0 95 128 193]
[ 88 25 7 18 37 35 16 4 49 2 13 0
2 5 4 33 0 46 27 0 1113 691 0 4
0 6 10 5]
[ 64 2 2 3 3 2 0 2 3 3 0 0
1 0 1 9 0 16 0 0 239 5 0 2
0 0 4 3]
[ 47 31 18 36 31 6 22 11 6 5 31 7
1 6 17 8 0 20 27 0 1834 17 0 92
0 26 17 48]
[ 22 3 7 3 9 8 1 2 1 1 1 1
0 1 1 33 0 40 2 0 243 7 0 3
0 0 10 2]
[ 1 6 4 10 2 7 5 0 5 4 8 3
5 0 2 7 0 1 2 0 230 5 0 6
0 359 28 1]
[ 16 24 13 33 13 11 3 4 10 27 22 18
0 1 14 11 0 15 12 0 1125 17 0 5
0 178 369 6]
[ 77 19 28 26 9 0 20 24 2 2 17 6
0 34 7 3 0 9 10 0 962 12 0 9
0 3 8 452]]

```

Classification Report:

View formatted classification report at:

[./precision/classification_reports/base_MLP_2.5_2.txt](#)

	precision	recall	f1-score	support
admiration	0.51	0.49	0.50	5221
amusement	0.55	0.53	0.54	3130
anger	0.37	0.21	0.27	2625
annoyance	0.23	0.09	0.12	4169
approval	0.38	0.07	0.13	5562
caring	0.29	0.09	0.14	1748
confusion	0.32	0.12	0.18	2456
curiosity	0.42	0.11	0.18	2910
desire	0.47	0.20	0.28	1080
disappointment	0.33	0.04	0.07	2447

disapproval	0.23	0.07	0.11	3880
disgust	0.38	0.19	0.25	1437
embarrassment	0.39	0.06	0.10	749
excitement	0.39	0.09	0.15	1553
fear	0.45	0.30	0.36	885
gratitude	0.80	0.76	0.78	3589
grief	0.00	0.00	0.00	174
joy	0.35	0.30	0.33	2114
love	0.58	0.63	0.60	2537
nervousness	0.00	0.00	0.00	418
neutral	0.41	0.82	0.55	27470
optimism	0.45	0.31	0.37	2240
pride	0.00	0.00	0.00	364
realization	0.32	0.04	0.07	2364
relief	0.00	0.00	0.00	401
remorse	0.38	0.51	0.43	701
sadness	0.42	0.19	0.26	1947
surprise	0.39	0.26	0.31	1739
accuracy		0.43		85910
macro avg	0.35	0.23	0.25	85910
weighted avg	0.41	0.43	0.37	85910

Classifications: Emotions

Confusion Matrix:

View Visual matrix at:

[./precision/confusion_matrix_figures/base_MLP_2.5_sentiments_1.png](#)

```
[[ 2280 1425 4262 1502]
 [  654 10353 6212 2213]
 [ 1408 4759 15966 5337]
 [  738 2503 6942 19356]]
```

Classsification Report:

View formatted classification report at:

[./precision/classification_reports/base_MLP_2.5_3.txt](#)

	precision	recall	f1-score	support
ambiguous	0.45	0.24	0.31	9469
negative	0.54	0.53	0.54	19432
neutral	0.48	0.58	0.52	27470
positive	0.68	0.66	0.67	29539
accuracy		0.56		85910
macro avg	0.54	0.50	0.51	85910
weighted avg	0.56	0.56	0.55	85910