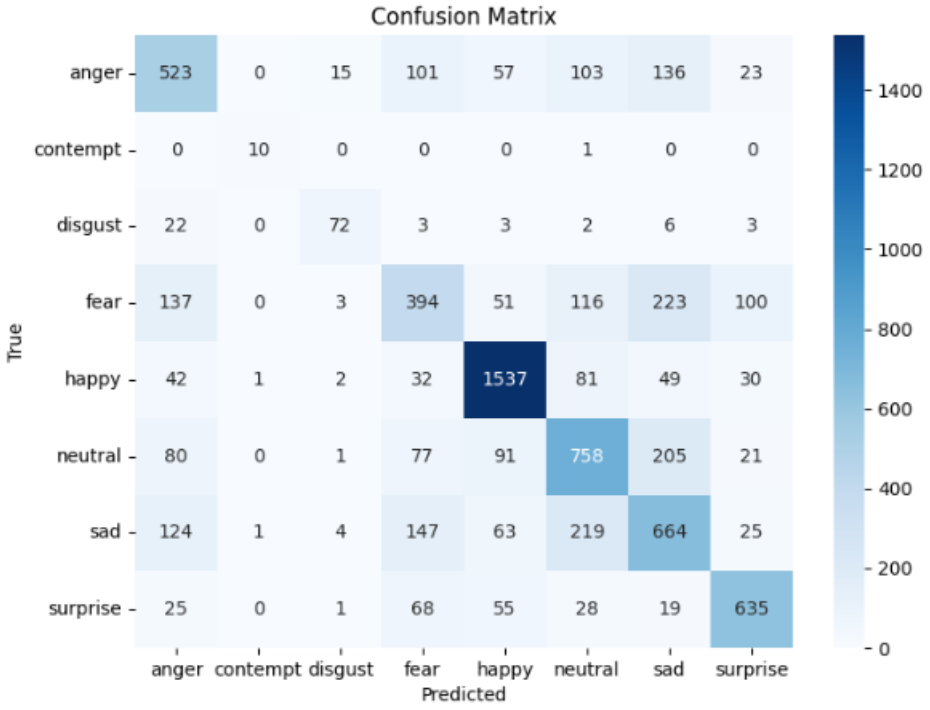
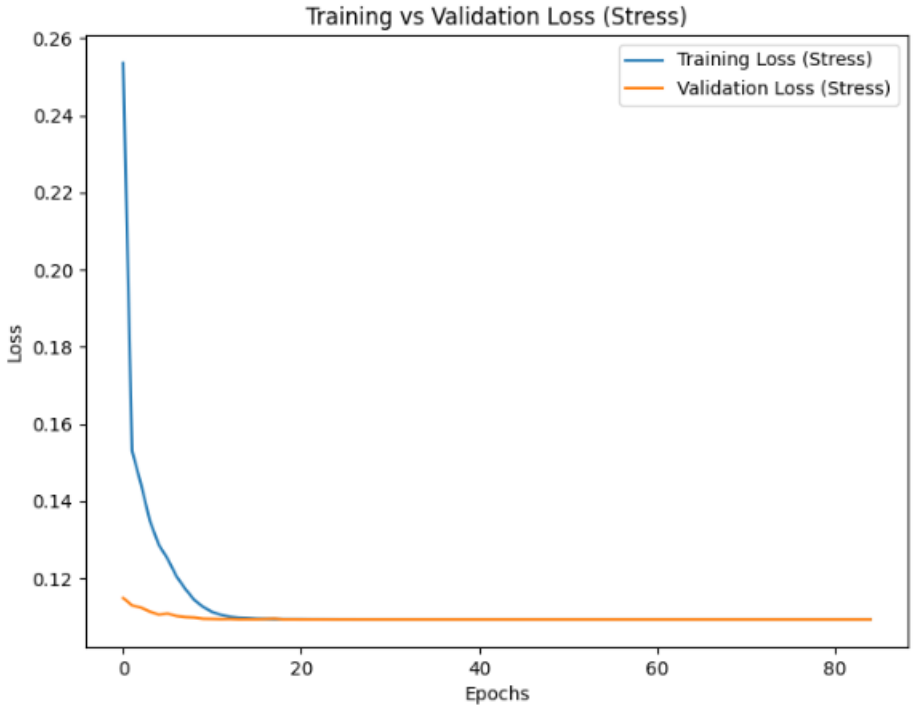
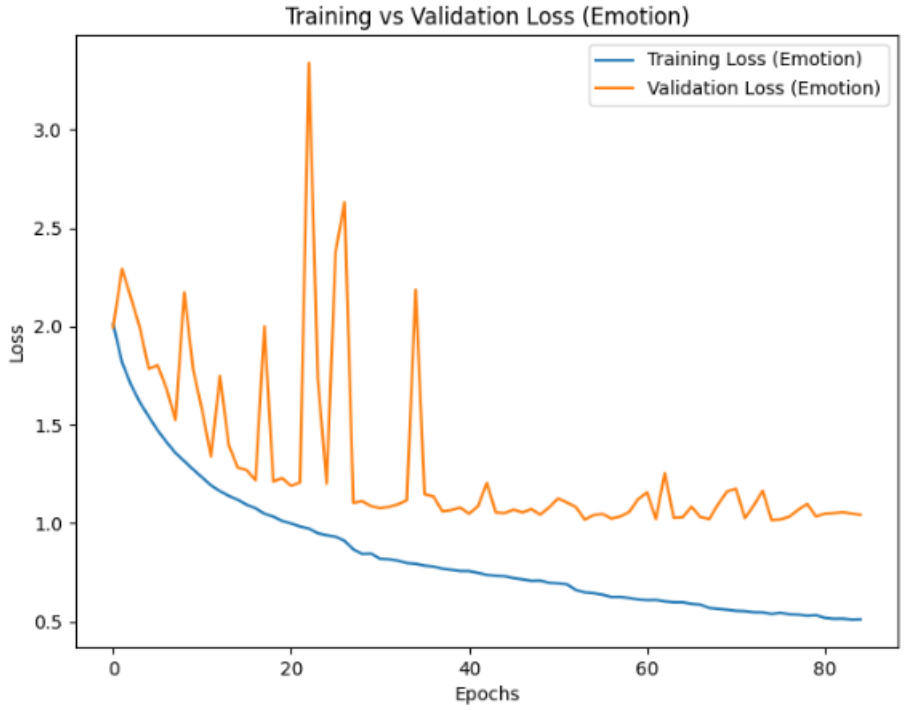
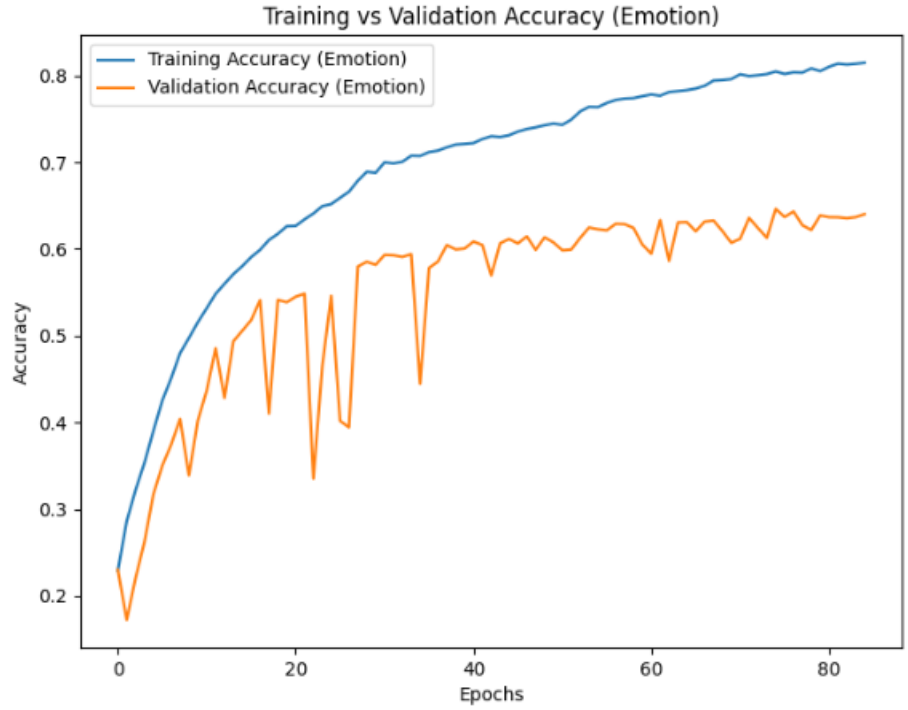
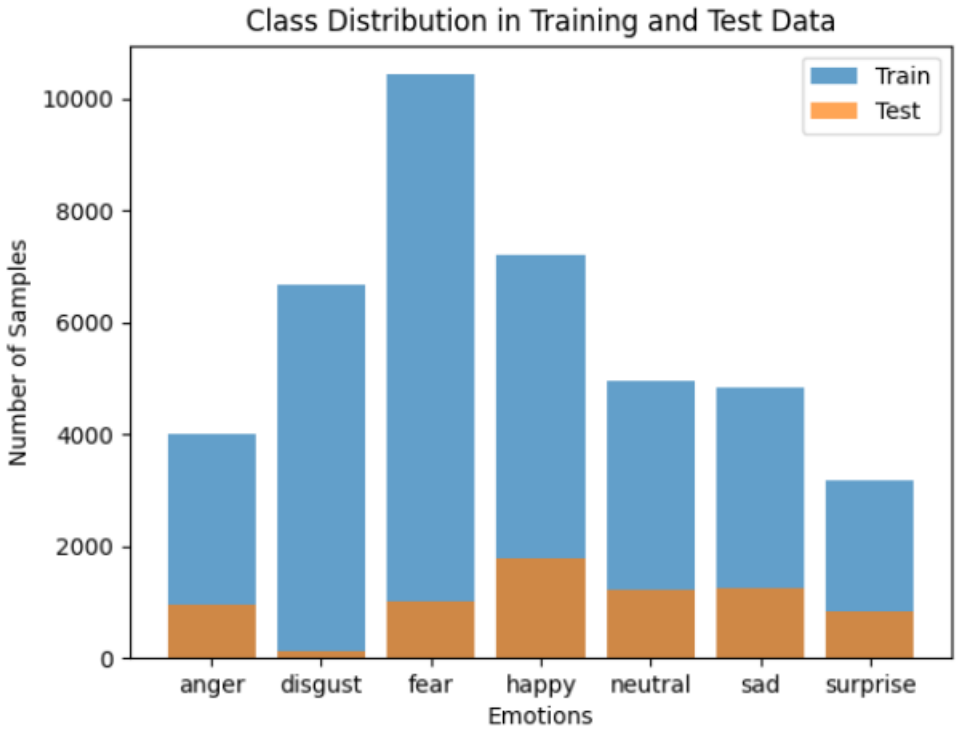

Confusion Matrix
anger 523 0 15 101 57 103 136 23
contempt 0 10 0 0 0 1 0 0
disgust 22 0 72 3 3 2 6 3
fear 137 0 3 394 51 116 223 100
happy 42 1 2 32 1537 81 49 30
neutral 80 0 1 77 91 758 205 21
sad 124 1 4 147 63 219 664 25
surprise 25 0 1 68 55 28 19 635
True
anger contempt disgust fear happy neutral sad surprise
Predicted
1400
1200
1000
800
600
400
200
0


Training vs Validation Loss (Stress)
Training Loss (Stress)
Validation Loss (Stress)
Loss
0.26
0.24
0.22
0.20
0.18
0.16
0.14
0.12
0
20
40
60
80
Epochs


Training vs Validation Loss (Emotion)
Training Loss (Emotion)
Validation Loss (Emotion)
Loss
Epochs
3.0
2.5
2.0
1.5
1.0
0.5
0
20
40
60
80


Training vs Validation Accuracy (Emotion)
Training Accuracy (Emotion)
Validation Accuracy (Emotion)
Accuracy
Epochs
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0
20
40
60
80



Found 41321 images belonging to 8 classes.

Found 7189 images belonging to 8 classes.

{'anger': 0, 'contempt': 1, 'disgust': 2, 'fear': 3, 'happy': 4, 'neutral': 5, 'sad': 6, 'surprise': 7}

2024-12-02 12:44:52.018950: I tensorflow/core/platform/cpu_feature_guard.cc:193] This TensorFlow binary is optimized with oneAPI Deep Neural Network Library (oneDNN) to use the following CPU instructions in performance-critical operations: AVX AVX2

To enable them in other operations, rebuild TensorFlow with the appropriate compiler flags.

2024-12-02 12:44:52.774086: I tensorflow/core/common_runtime/gpu/gpu_device.cc:1616] Created device /job:localhost/replica:0/task:0/device:GPU:0 with 5468 MB memory: -> device: 0, name: NVIDIA GeForce RTX 3070 Laptop GPU, pci bus id: 0000:01:00.0, compute capability: 8.6

Model: "model"

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Layer (type) Output Shape Param # Connected to

==========
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input_1 (InputLayer) [(None, 48, 48, 1)] 0 []

conv2d (Conv2D) (None, 48, 48, 64) 640 ['input_1[0][0]']

batch_normalization (BatchNorm (None, 48, 48, 64) 256 ['conv2d[0][0]']
alization)

max_pooling2d (MaxPooling2D) (None, 24, 24, 64) 0 ['batch_normalization[0][0]']

conv2d_1 (Conv2D) (None, 24, 24, 128) 73856 ['max_pooling2d[0][0]']

batch_normalization_1 (BatchNo (None, 24, 24, 128) 512 ['conv2d_1[0][0]']
rmalization)

max_pooling2d_1 (MaxPooling2D) (None, 12, 12, 128) 0 ['batch_normalization_1[0][0]']

conv2d_2 (Conv2D) (None, 12, 12, 256) 295168 ['max_pooling2d_1[0][0]']

batch_normalization_2 (BatchNo (None, 12, 12, 256) 1024 ['conv2d_2[0][0]']
rmalization)

max_pooling2d_2 (MaxPooling2D) (None, 6, 6, 256) 0 ['batch_normalization_2[0][0]']

global_average_pooling2d (Glob (None, 256) 0 ['max_pooling2d_2[0][0]']
alAveragePooling2D)

dense (Dense) (None, 16) 4112 ['global_average_pooling2d[0][0]'
]

dense_1 (Dense) (None, 256) 4352 ['dense[0][0]']

multiply (Multiply) (None, 6, 6, 256) 0 ['max_pooling2d_2[0][0]',
'dense_1[0][0]']

conv2d_4 (Conv2D) (None, 3, 3, 512) 1180160 ['multiply[0][0]']

batch_normalization_4 (BatchNo (None, 3, 3, 512) 2048 ['conv2d_4[0][0]']
rmalization)

re_lu (ReLU) (None, 3, 3, 512) 0 ['batch_normalization_4[0][0]']

conv2d_5 (Conv2D) (None, 3, 3, 512) 2359808 ['re_lu[0][0]']

conv2d_3 (Conv2D) (None, 3, 3, 512) 131584 ['multiply[0][0]']

batch_normalization_5 (BatchNo (None, 3, 3, 512) 2048 ['conv2d_5[0][0]']
rmalization)

batch_normalization_3 (BatchNo (None, 3, 3, 512) 2048 ['conv2d_3[0][0]']
rmalization)

add (Add) (None, 3, 3, 512) 0 ['batch_normalization_5[0][0]',
'batch_normalization_3[0][0]']

re_lu_1 (ReLU) (None, 3, 3, 512) 0 ['add[0][0]']

conv2d_7 (Conv2D) (None, 2, 2, 1024) 4719616 ['re_lu_1[0][0]']

batch_normalization_7 (BatchNo (None, 2, 2, 1024) 4096 ['conv2d_7[0][0]']
rmalization)

re_lu_2 (ReLU) (None, 2, 2, 1024) 0 ['batch_normalization_7[0][0]']

conv2d_8 (Conv2D) (None, 2, 2, 1024) 9438208 ['re_lu_2[0][0]']

conv2d_6 (Conv2D) (None, 2, 2, 1024) 525312 ['re_lu_1[0][0]']

batch_normalization_8 (BatchNo (None, 2, 2, 1024) 4096 ['conv2d_8[0][0]']
rmalization)

batch_normalization_6 (BatchNo (None, 2, 2, 1024) 4096 ['conv2d_6[0][0]']
rmalization)

add_1 (Add) (None, 2, 2, 1024) 0 ['batch_normalization_8[0][0]',
'batch_normalization_6[0][0]']

re_lu_3 (ReLU) (None, 2, 2, 1024) 0 ['add_1[0][0]']

conv2d_10 (Conv2D) (None, 1, 1, 2048) 18876416 ['re_lu_3[0][0]']

batch_normalization_10 (BatchN (None, 1, 1, 2048) 8192 ['conv2d_10[0][0]']
ormalization)

re_lu_4 (ReLU) (None, 1, 1, 2048) 0 ['batch_normalization_10[0][0]']

conv2d_11 (Conv2D) (None, 1, 1, 2048) 37750784 ['re_lu_4[0][0]']

conv2d_9 (Conv2D) (None, 1, 1, 2048) 2099200 ['re_lu_3[0][0]']

batch_normalization_11 (BatchN ormalization) (None, 1, 1, 2048) 8192 ['conv2d_11[0][0]']

batch_normalization_9 (BatchNo rmalization) (None, 1, 1, 2048) 8192 ['conv2d_9[0][0]']

add_2 (Add) (None, 1, 1, 2048) 0 ['batch_normalization_11[0][0]', 'batch_normalization_9[0][0]']

re_lu_5 (ReLU) (None, 1, 1, 2048) 0 ['add_2[0][0]']

global_average_pooling2d_1 (Gl obalAveragePooling2D) (None, 2048) 0 ['re_lu_5[0][0]']

dense_2 (Dense) (None, 256) 524544 ['global_average_pooling2d_1[0][0]']

dropout (Dropout) (None, 256) 0 ['dense_2[0][0]']

dense_3 (Dense) (None, 128) 32896 ['dropout[0][0]']

dropout_1 (Dropout) (None, 128) 0 ['dense_3[0][0]']

emotion_output (Dense) (None, 8) 1032 ['dropout_1[0][0]']

stress_output (Dense) (None, 1) 129 ['dropout_1[0][0]']

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Total params: 78,062,617

Trainable params: 78,040,217

Non-trainable params: 22,400

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Epoch 1/100

2024-12-02 12:44:56.254720: I tensorflow/stream_executor/cuda/cuda_dnn.cc:384] Loaded cuDNN version 8100

2024-12-02 12:44:58.224315: I tensorflow/stream_executor/cuda/cuda_blas.cc:1614] TensorFloat-32 will be used for the matrix multiplication. This will only be logged once.

645/645 [==============================] - 62s 87ms/step - loss: 2.2652 - emotion_output_loss: 2.0116 - stress_output_loss: 0.2536 - emotion_output_accuracy: 0.2291 - stress_output_mae: 0.3349 - val_loss: 2.1104 - val_emotion_output_loss: 1.9955 - val_stress_output_loss: 0.1149 - val_emotion_output_accuracy: 0.2302 - val_stress_output_mae: 0.1875 - lr: 1.0000e-04

Epoch 2/100

645/645 [==============================] - 55s 86ms/step - loss: 1.9703 - emotion_output_loss: 1.8173 - stress_output_loss: 0.1531 - emotion_output_accuracy: 0.2863 - stress_output_mae: 0.2665 - val_loss: 2.4049 - val_emotion_output_loss: 2.2919 - val_stress_output_loss: 0.1130 - val_emotion_output_accuracy: 0.1724 - val_stress_output_mae: 0.2032 - lr: 1.0000e-04

Epoch 3/100

645/645 [==============================] - 56s 87ms/step - loss: 1.8480 - emotion_output_loss: 1.7035 - stress_output_loss: 0.1445 - emotion_output_accuracy: 0.3223 - stress_output_mae: 0.2574 - val_loss: 2.2576 - val_emotion_output_loss: 2.1452 - val_stress_output_loss: 0.1124 - val_emotion_output_accuracy: 0.2208 - val_stress_output_mae: 0.1933 - lr: 1.0000e-04

Epoch 4/100

645/645 [==============================] - 57s 88ms/step - loss: 1.7489 - emotion_output_loss: 1.6140 - stress_output_loss: 0.1349 - emotion_output_accuracy: 0.3537 - stress_output_mae: 0.2464 - val_loss: 2.1047 - val_emotion_output_loss: 1.9933 - val_stress_output_loss: 0.1114 - val_emotion_output_accuracy: 0.2626 - val_stress_output_mae: 0.1951 - lr: 1.0000e-04

Epoch 5/100

645/645 [==============================] - 57s 89ms/step - loss: 1.6704 - emotion_output_loss: 1.5417 - stress_output_loss: 0.1287 - emotion_output_accuracy: 0.3903 - stress_output_mae: 0.2376 - val_loss: 1.8951 - val_emotion_output_loss: 1.7845 - val_stress_output_loss: 0.1106 - val_emotion_output_accuracy: 0.3172 - val_stress_output_mae: 0.2032 - lr: 1.0000e-04

Epoch 6/100

645/645 [==============================] - 57s 88ms/step - loss: 1.5967 - emotion_output_loss: 1.4716 - stress_output_loss: 0.1251 - emotion_output_accuracy: 0.4253 - stress_output_mae: 0.2344 - val_loss: 1.9133 - val_emotion_output_loss: 1.8024 - val_stress_output_loss: 0.1109 - val_emotion_output_accuracy: 0.3502 - val_stress_output_mae: 0.2046 - lr: 1.0000e-04

Epoch 7/100

645/645 [==============================] - 58s 89ms/step - loss: 1.5326 - emotion_output_loss: 1.4121 - stress_output_loss: 0.1205 - emotion_output_accuracy: 0.4511 - stress_output_mae: 0.2285 - val_loss: 1.7935 - val_emotion_output_loss: 1.6833 - val_stress_output_loss: 0.1102 - val_emotion_output_accuracy: 0.3744 - val_stress_output_mae: 0.2027 - lr: 1.0000e-04

Epoch 8/100

645/645 [==============================] - 57s 89ms/step - loss: 1.4744 - emotion_output_loss: 1.3572 - stress_output_loss: 0.1172 - emotion_output_accuracy: 0.4800 - stress_output_mae: 0.2243 - val_loss: 1.6349 - val_emotion_output_loss: 1.5249 - val_stress_output_loss: 0.1100 - val_emotion_output_accuracy: 0.4040 - val_stress_output_mae: 0.2083 - lr: 1.0000e-04

Epoch 9/100

645/645 [==============================] - 57s 89ms/step - loss: 1.4294 - emotion_output_loss: 1.3150 - stress_output_loss: 0.1144 - emotion_output_accuracy: 0.4975 - stress_output_mae: 0.2215 - val_loss: 2.2814 - val_emotion_output_loss: 2.1716 - val_stress_output_loss: 0.1098 - val_emotion_output_accuracy: 0.3391 - val_stress_output_mae: 0.2087 - lr: 1.0000e-04

Epoch 10/100

645/645 [==============================] - 57s 89ms/step - loss: 1.3850 - emotion_output_loss: 1.2724 - stress_output_loss: 0.1126 - emotion_output_accuracy: 0.5157 - stress_output_mae: 0.2198 - val_loss: 1.8885 - val_emotion_output_loss: 1.7790 - val_stress_output_loss: 0.1095 - val_emotion_output_accuracy: 0.4023 - val_stress_output_mae: 0.2160 - lr: 1.0000e-04

Epoch 11/100

645/645 [==============================] - 57s 89ms/step - loss: 1.3439 - emotion_output_loss: 1.2326 - stress_output_loss: 0.1113 - emotion_output_accuracy: 0.5319 -

stress_output_mae: 0.2191 - val_loss: 1.6835 - val_emotion_output_loss: 1.5740 - val_stress_output_loss: 0.1095 - val_emotion_output_accuracy: 0.4369 - val_stress_output_mae: 0.2157 - lr: 1.0000e-04

Epoch 12/100

645/645 [==============================] - 57s 88ms/step - loss: 1.3026 - emotion_output_loss: 1.1921 - stress_output_loss: 0.1105 - emotion_output_accuracy: 0.5484 - stress_output_mae: 0.2189 - val_loss: 1.4485 - val_emotion_output_loss: 1.3390 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.4856 - val_stress_output_mae: 0.2199 - lr: 1.0000e-04

Epoch 13/100

645/645 [==============================] - 57s 88ms/step - loss: 1.2728 - emotion_output_loss: 1.1628 - stress_output_loss: 0.1100 - emotion_output_accuracy: 0.5600 - stress_output_mae: 0.2189 - val_loss: 1.8582 - val_emotion_output_loss: 1.7487 - val_stress_output_loss: 0.1095 - val_emotion_output_accuracy: 0.4284 - val_stress_output_mae: 0.2171 - lr: 1.0000e-04

Epoch 14/100

645/645 [==============================] - 57s 89ms/step - loss: 1.2485 - emotion_output_loss: 1.1387 - stress_output_loss: 0.1098 - emotion_output_accuracy: 0.5712 - stress_output_mae: 0.2188 - val_loss: 1.5053 - val_emotion_output_loss: 1.3959 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.4937 - val_stress_output_mae: 0.2180 - lr: 1.0000e-04

Epoch 15/100

645/645 [==============================] - 57s 89ms/step - loss: 1.2286 - emotion_output_loss: 1.1189 - stress_output_loss: 0.1097 - emotion_output_accuracy: 0.5804 - stress_output_mae: 0.2188 - val_loss: 1.3919 - val_emotion_output_loss: 1.2825 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.5059 - val_stress_output_mae: 0.2183 - lr: 1.0000e-04

Epoch 16/100

645/645 [==============================] - 57s 89ms/step - loss: 1.2036 - emotion_output_loss: 1.0940 - stress_output_loss: 0.1095 - emotion_output_accuracy: 0.5908 - stress_output_mae: 0.2187 - val_loss: 1.3790 - val_emotion_output_loss: 1.2696 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.5181 - val_stress_output_mae: 0.2178 - lr: 1.0000e-04

Epoch 17/100

645/645 [==============================] - 57s 89ms/step - loss: 1.1853 - emotion_output_loss: 1.0758 - stress_output_loss: 0.1095 - emotion_output_accuracy: 0.5992 - stress_output_mae: 0.2188 - val_loss: 1.3278 - val_emotion_output_loss: 1.2184 -

val_stress_output_loss: 0.1095 - val_emotion_output_accuracy: 0.5412 - val_stress_output_mae: 0.2202 - lr: 1.0000e-04

Epoch 18/100

645/645 [==============================] - 57s 89ms/step - loss: 1.1576 - emotion_output_loss: 1.0482 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.6106 - stress_output_mae: 0.2187 - val_loss: 2.1096 - val_emotion_output_loss: 2.0000 - val_stress_output_loss: 0.1096 - val_emotion_output_accuracy: 0.4103 - val_stress_output_mae: 0.2176 - lr: 1.0000e-04

Epoch 19/100

645/645 [==============================] - 57s 89ms/step - loss: 1.1426 - emotion_output_loss: 1.0332 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.6176 - stress_output_mae: 0.2188 - val_loss: 1.3210 - val_emotion_output_loss: 1.2117 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.5414 - val_stress_output_mae: 0.2183 - lr: 1.0000e-04

Epoch 20/100

645/645 [==============================] - 57s 88ms/step - loss: 1.1210 - emotion_output_loss: 1.0116 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.6264 - stress_output_mae: 0.2188 - val_loss: 1.3383 - val_emotion_output_loss: 1.2289 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.5386 - val_stress_output_mae: 0.2187 - lr: 1.0000e-04

Epoch 21/100

645/645 [==============================] - 57s 88ms/step - loss: 1.1077 - emotion_output_loss: 0.9983 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.6267 - stress_output_mae: 0.2188 - val_loss: 1.2990 - val_emotion_output_loss: 1.1896 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.5451 - val_stress_output_mae: 0.2184 - lr: 1.0000e-04

Epoch 22/100

645/645 [==============================] - 58s 89ms/step - loss: 1.0926 - emotion_output_loss: 0.9833 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.6343 - stress_output_mae: 0.2187 - val_loss: 1.3166 - val_emotion_output_loss: 1.2072 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.5485 - val_stress_output_mae: 0.2190 - lr: 1.0000e-04

Epoch 23/100

645/645 [==============================] - 57s 89ms/step - loss: 1.0821 - emotion_output_loss: 0.9727 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.6411 - stress_output_mae: 0.2188 - val_loss: 3.4480 - val_emotion_output_loss: 3.3387 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.3352 - val_stress_output_mae: 0.2188 - lr: 1.0000e-04

Epoch 24/100

645/645 [==============================] - 57s 89ms/step - loss: 1.0583 - emotion_output_loss: 0.9489 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.6495 - stress_output_mae: 0.2188 - val_loss: 1.8469 - val_emotion_output_loss: 1.7375 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.4653 - val_stress_output_mae: 0.2187 - lr: 1.0000e-04

Epoch 25/100

645/645 [==============================] - 57s 89ms/step - loss: 1.0482 - emotion_output_loss: 0.9388 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.6519 - stress_output_mae: 0.2188 - val_loss: 1.3103 - val_emotion_output_loss: 1.2009 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.5460 - val_stress_output_mae: 0.2190 - lr: 1.0000e-04

Epoch 26/100

645/645 [==============================] - 57s 89ms/step - loss: 1.0408 - emotion_output_loss: 0.9314 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.6592 - stress_output_mae: 0.2188 - val_loss: 2.4864 - val_emotion_output_loss: 2.3771 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.4019 - val_stress_output_mae: 0.2184 - lr: 1.0000e-04

Epoch 27/100

645/645 [==============================] - ETA: 0s - loss: 1.0196 - emotion_output_loss: 0.9102 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.6662 - stress_output_mae: 0.2187

Epoch 27: ReduceLROnPlateau reducing learning rate to 4.999999873689376e-05.

645/645 [==============================] - 57s 88ms/step - loss: 1.0196 - emotion_output_loss: 0.9102 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.6662 - stress_output_mae: 0.2187 - val_loss: 2.7397 - val_emotion_output_loss: 2.6304 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.3944 - val_stress_output_mae: 0.2187 - lr: 1.0000e-04

Epoch 28/100

645/645 [==============================] - 57s 89ms/step - loss: 0.9764 - emotion_output_loss: 0.8670 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.6789 - stress_output_mae: 0.2188 - val_loss: 1.2131 - val_emotion_output_loss: 1.1038 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.5799 - val_stress_output_mae: 0.2188 - lr: 5.0000e-05

Epoch 29/100

645/645 [==============================] - 58s 89ms/step - loss: 0.9530 - emotion_output_loss: 0.8436 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.6892 -

stress_output_mae: 0.2188 - val_loss: 1.2208 - val_emotion_output_loss: 1.1114 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.5854 - val_stress_output_mae: 0.2188 - lr: 5.0000e-05

Epoch 30/100

645/645 [==============================] - 57s 88ms/step - loss: 0.9545 - emotion_output_loss: 0.8451 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.6881 - stress_output_mae: 0.2187 - val_loss: 1.1960 - val_emotion_output_loss: 1.0866 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.5819 - val_stress_output_mae: 0.2187 - lr: 5.0000e-05

Epoch 31/100

645/645 [==============================] - 58s 89ms/step - loss: 0.9287 - emotion_output_loss: 0.8193 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7001 - stress_output_mae: 0.2188 - val_loss: 1.1860 - val_emotion_output_loss: 1.0766 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.5933 - val_stress_output_mae: 0.2187 - lr: 5.0000e-05

Epoch 32/100

645/645 [==============================] - 57s 88ms/step - loss: 0.9262 - emotion_output_loss: 0.8169 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.6988 - stress_output_mae: 0.2187 - val_loss: 1.1921 - val_emotion_output_loss: 1.0827 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.5929 - val_stress_output_mae: 0.2186 - lr: 5.0000e-05

Epoch 33/100

645/645 [==============================] - 57s 89ms/step - loss: 0.9189 - emotion_output_loss: 0.8095 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7008 - stress_output_mae: 0.2187 - val_loss: 1.2051 - val_emotion_output_loss: 1.0957 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.5910 - val_stress_output_mae: 0.2188 - lr: 5.0000e-05

Epoch 34/100

645/645 [==============================] - 57s 89ms/step - loss: 0.9068 - emotion_output_loss: 0.7975 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7077 - stress_output_mae: 0.2188 - val_loss: 1.2250 - val_emotion_output_loss: 1.1157 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.5942 - val_stress_output_mae: 0.2188 - lr: 5.0000e-05

Epoch 35/100

645/645 [==============================] - 57s 88ms/step - loss: 0.9031 - emotion_output_loss: 0.7937 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7074 - stress_output_mae: 0.2188 - val_loss: 2.2949 - val_emotion_output_loss: 2.1855 -

val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.4448 - val_stress_output_mae: 0.2187 - lr: 5.0000e-05

Epoch 36/100

645/645 [==============================] - 57s 89ms/step - loss: 0.8939 - emotion_output_loss: 0.7845 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7119 - stress_output_mae: 0.2187 - val_loss: 1.2566 - val_emotion_output_loss: 1.1472 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.5783 - val_stress_output_mae: 0.2187 - lr: 5.0000e-05

Epoch 37/100

645/645 [==============================] - 57s 89ms/step - loss: 0.8892 - emotion_output_loss: 0.7799 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7136 - stress_output_mae: 0.2187 - val_loss: 1.2454 - val_emotion_output_loss: 1.1360 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.5855 - val_stress_output_mae: 0.2187 - lr: 5.0000e-05

Epoch 38/100

645/645 [==============================] - 57s 89ms/step - loss: 0.8781 - emotion_output_loss: 0.7687 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7173 - stress_output_mae: 0.2187 - val_loss: 1.1695 - val_emotion_output_loss: 1.0601 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6046 - val_stress_output_mae: 0.2188 - lr: 5.0000e-05

Epoch 39/100

645/645 [==============================] - 57s 89ms/step - loss: 0.8724 - emotion_output_loss: 0.7630 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7206 - stress_output_mae: 0.2187 - val_loss: 1.1757 - val_emotion_output_loss: 1.0663 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.5996 - val_stress_output_mae: 0.2187 - lr: 5.0000e-05

Epoch 40/100

645/645 [==============================] - 57s 89ms/step - loss: 0.8664 - emotion_output_loss: 0.7570 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7214 - stress_output_mae: 0.2188 - val_loss: 1.1887 - val_emotion_output_loss: 1.0794 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6006 - val_stress_output_mae: 0.2187 - lr: 5.0000e-05

Epoch 41/100

645/645 [==============================] - 57s 89ms/step - loss: 0.8660 - emotion_output_loss: 0.7566 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7223 - stress_output_mae: 0.2187 - val_loss: 1.1577 - val_emotion_output_loss: 1.0484 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6087 - val_stress_output_mae: 0.2188 - lr: 5.0000e-05

Epoch 42/100

645/645 [==============================] - 57s 88ms/step - loss: 0.8570 - emotion_output_loss: 0.7476 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7269 - stress_output_mae: 0.2188 - val_loss: 1.1950 - val_emotion_output_loss: 1.0856 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6048 - val_stress_output_mae: 0.2186 - lr: 5.0000e-05

Epoch 43/100

645/645 [==============================] - 57s 88ms/step - loss: 0.8468 - emotion_output_loss: 0.7374 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7302 - stress_output_mae: 0.2188 - val_loss: 1.3138 - val_emotion_output_loss: 1.2044 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.5696 - val_stress_output_mae: 0.2188 - lr: 5.0000e-05

Epoch 44/100

645/645 [==============================] - 57s 88ms/step - loss: 0.8421 - emotion_output_loss: 0.7328 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7293 - stress_output_mae: 0.2188 - val_loss: 1.1641 - val_emotion_output_loss: 1.0548 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6067 - val_stress_output_mae: 0.2188 - lr: 5.0000e-05

Epoch 45/100

645/645 [==============================] - 57s 89ms/step - loss: 0.8401 - emotion_output_loss: 0.7307 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7313 - stress_output_mae: 0.2188 - val_loss: 1.1605 - val_emotion_output_loss: 1.0512 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6116 - val_stress_output_mae: 0.2187 - lr: 5.0000e-05

Epoch 46/100

645/645 [==============================] - 57s 88ms/step - loss: 0.8302 - emotion_output_loss: 0.7208 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7355 - stress_output_mae: 0.2188 - val_loss: 1.1781 - val_emotion_output_loss: 1.0688 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6066 - val_stress_output_mae: 0.2187 - lr: 5.0000e-05

Epoch 47/100

645/645 [==============================] - 58s 89ms/step - loss: 0.8238 - emotion_output_loss: 0.7144 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7385 - stress_output_mae: 0.2188 - val_loss: 1.1643 - val_emotion_output_loss: 1.0550 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6147 - val_stress_output_mae: 0.2190 - lr: 5.0000e-05

Epoch 48/100

645/645 [==============================] - 57s 88ms/step - loss: 0.8168 - emotion_output_loss: 0.7074 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7404 - stress_output_mae: 0.2187 - val_loss: 1.1806 - val_emotion_output_loss: 1.0712 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.5992 - val_stress_output_mae: 0.2188 - lr: 5.0000e-05

Epoch 49/100

645/645 [==============================] - 57s 89ms/step - loss: 0.8177 - emotion_output_loss: 0.7083 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7428 - stress_output_mae: 0.2188 - val_loss: 1.1529 - val_emotion_output_loss: 1.0435 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6136 - val_stress_output_mae: 0.2187 - lr: 5.0000e-05

Epoch 50/100

645/645 [==============================] - 57s 89ms/step - loss: 0.8066 - emotion_output_loss: 0.6973 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7448 - stress_output_mae: 0.2187 - val_loss: 1.1896 - val_emotion_output_loss: 1.0802 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6077 - val_stress_output_mae: 0.2187 - lr: 5.0000e-05

Epoch 51/100

645/645 [==============================] - 57s 88ms/step - loss: 0.8039 - emotion_output_loss: 0.6945 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7433 - stress_output_mae: 0.2188 - val_loss: 1.2350 - val_emotion_output_loss: 1.1256 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.5986 - val_stress_output_mae: 0.2187 - lr: 5.0000e-05

Epoch 52/100

645/645 [==============================] - ETA: 0s - loss: 0.7988 - emotion_output_loss: 0.6894 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7493 - stress_output_mae: 0.2187

Epoch 52: ReduceLROnPlateau reducing learning rate to 2.499999936844688e-05.

645/645 [==============================] - 57s 89ms/step - loss: 0.7988 - emotion_output_loss: 0.6894 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7493 - stress_output_mae: 0.2187 - val_loss: 1.2144 - val_emotion_output_loss: 1.1050 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.5995 - val_stress_output_mae: 0.2187 - lr: 5.0000e-05

Epoch 53/100

645/645 [==============================] - 57s 88ms/step - loss: 0.7703 - emotion_output_loss: 0.6609 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7588 - stress_output_mae: 0.2188 - val_loss: 1.1918 - val_emotion_output_loss: 1.0824 -

val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6129 - val_stress_output_mae: 0.2188 - lr: 2.5000e-05

Epoch 54/100

645/645 [==============================] - 58s 89ms/step - loss: 0.7578 - emotion_output_loss: 0.6484 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7641 - stress_output_mae: 0.2188 - val_loss: 1.1279 - val_emotion_output_loss: 1.0186 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6249 - val_stress_output_mae: 0.2188 - lr: 2.5000e-05

Epoch 55/100

645/645 [==============================] - 58s 89ms/step - loss: 0.7537 - emotion_output_loss: 0.6444 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7638 - stress_output_mae: 0.2188 - val_loss: 1.1503 - val_emotion_output_loss: 1.0409 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6229 - val_stress_output_mae: 0.2188 - lr: 2.5000e-05

Epoch 56/100

645/645 [==============================] - 57s 89ms/step - loss: 0.7460 - emotion_output_loss: 0.6367 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7685 - stress_output_mae: 0.2187 - val_loss: 1.1563 - val_emotion_output_loss: 1.0469 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6217 - val_stress_output_mae: 0.2188 - lr: 2.5000e-05

Epoch 57/100

645/645 [==============================] - 57s 89ms/step - loss: 0.7345 - emotion_output_loss: 0.6252 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7720 - stress_output_mae: 0.2188 - val_loss: 1.1326 - val_emotion_output_loss: 1.0232 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6292 - val_stress_output_mae: 0.2188 - lr: 2.5000e-05

Epoch 58/100

645/645 [==============================] - 57s 88ms/step - loss: 0.7349 - emotion_output_loss: 0.6255 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7736 - stress_output_mae: 0.2188 - val_loss: 1.1435 - val_emotion_output_loss: 1.0341 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6288 - val_stress_output_mae: 0.2187 - lr: 2.5000e-05

Epoch 59/100

645/645 [==============================] - 57s 88ms/step - loss: 0.7291 - emotion_output_loss: 0.6198 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7741 - stress_output_mae: 0.2188 - val_loss: 1.1664 - val_emotion_output_loss: 1.0570 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6244 - val_stress_output_mae: 0.2188 - lr: 2.5000e-05

Epoch 60/100

645/645 [==============================] - 57s 89ms/step - loss: 0.7216 - emotion_output_loss: 0.6122 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7764 - stress_output_mae: 0.2187 - val_loss: 1.2314 - val_emotion_output_loss: 1.1221 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6052 - val_stress_output_mae: 0.2188 - lr: 2.5000e-05

Epoch 61/100

645/645 [==============================] - 57s 89ms/step - loss: 0.7184 - emotion_output_loss: 0.6090 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7783 - stress_output_mae: 0.2188 - val_loss: 1.2652 - val_emotion_output_loss: 1.1558 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.5947 - val_stress_output_mae: 0.2188 - lr: 2.5000e-05

Epoch 62/100

645/645 [==============================] - 57s 89ms/step - loss: 0.7192 - emotion_output_loss: 0.6098 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7769 - stress_output_mae: 0.2187 - val_loss: 1.1311 - val_emotion_output_loss: 1.0217 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6335 - val_stress_output_mae: 0.2187 - lr: 2.5000e-05

Epoch 63/100

645/645 [==============================] - 57s 88ms/step - loss: 0.7120 - emotion_output_loss: 0.6026 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7811 - stress_output_mae: 0.2188 - val_loss: 1.3640 - val_emotion_output_loss: 1.2547 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.5864 - val_stress_output_mae: 0.2188 - lr: 2.5000e-05

Epoch 64/100

645/645 [==============================] - 57s 89ms/step - loss: 0.7077 - emotion_output_loss: 0.5983 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7822 - stress_output_mae: 0.2187 - val_loss: 1.1367 - val_emotion_output_loss: 1.0274 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6307 - val_stress_output_mae: 0.2188 - lr: 2.5000e-05

Epoch 65/100

645/645 [==============================] - 57s 88ms/step - loss: 0.7075 - emotion_output_loss: 0.5981 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7833 - stress_output_mae: 0.2188 - val_loss: 1.1388 - val_emotion_output_loss: 1.0294 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6311 - val_stress_output_mae: 0.2188 - lr: 2.5000e-05

Epoch 66/100

645/645 [==============================] - 57s 89ms/step - loss: 0.6996 - emotion_output_loss: 0.5902 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7852 - stress_output_mae: 0.2187 - val_loss: 1.1933 - val_emotion_output_loss: 1.0839 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6205 - val_stress_output_mae: 0.2188 - lr: 2.5000e-05

Epoch 67/100

645/645 [==============================] - ETA: 0s - loss: 0.6957 - emotion_output_loss: 0.5863 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7883 - stress_output_mae: 0.2187

Epoch 67: ReduceLROnPlateau reducing learning rate to 1.249999968422344e-05.

645/645 [==============================] - 57s 88ms/step - loss: 0.6957 - emotion_output_loss: 0.5863 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7883 - stress_output_mae: 0.2187 - val_loss: 1.1404 - val_emotion_output_loss: 1.0310 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6317 - val_stress_output_mae: 0.2187 - lr: 2.5000e-05

Epoch 68/100

645/645 [==============================] - 57s 88ms/step - loss: 0.6785 - emotion_output_loss: 0.5691 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7944 - stress_output_mae: 0.2187 - val_loss: 1.1304 - val_emotion_output_loss: 1.0210 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6330 - val_stress_output_mae: 0.2188 - lr: 1.2500e-05

Epoch 69/100

645/645 [==============================] - 57s 89ms/step - loss: 0.6737 - emotion_output_loss: 0.5643 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7950 - stress_output_mae: 0.2188 - val_loss: 1.2062 - val_emotion_output_loss: 1.0968 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6208 - val_stress_output_mae: 0.2188 - lr: 1.2500e-05

Epoch 70/100

645/645 [==============================] - 57s 89ms/step - loss: 0.6695 - emotion_output_loss: 0.5601 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7960 - stress_output_mae: 0.2188 - val_loss: 1.2708 - val_emotion_output_loss: 1.1614 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6073 - val_stress_output_mae: 0.2187 - lr: 1.2500e-05

Epoch 71/100

645/645 [==============================] - 57s 89ms/step - loss: 0.6640 - emotion_output_loss: 0.5547 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.8017 - stress_output_mae: 0.2188 - val_loss: 1.2848 - val_emotion_output_loss: 1.1754 -

val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6119 - val_stress_output_mae: 0.2188 - lr: 1.2500e-05

Epoch 72/100

645/645 [==============================] - 57s 89ms/step - loss: 0.6623 - emotion_output_loss: 0.5530 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.7995 - stress_output_mae: 0.2188 - val_loss: 1.1347 - val_emotion_output_loss: 1.0253 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6360 - val_stress_output_mae: 0.2188 - lr: 1.2500e-05

Epoch 73/100

645/645 [==============================] - 57s 89ms/step - loss: 0.6571 - emotion_output_loss: 0.5477 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.8006 - stress_output_mae: 0.2188 - val_loss: 1.1995 - val_emotion_output_loss: 1.0902 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6243 - val_stress_output_mae: 0.2188 - lr: 1.2500e-05

Epoch 74/100

645/645 [==============================] - 57s 89ms/step - loss: 0.6563 - emotion_output_loss: 0.5470 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.8019 - stress_output_mae: 0.2188 - val_loss: 1.2738 - val_emotion_output_loss: 1.1644 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6130 - val_stress_output_mae: 0.2188 - lr: 1.2500e-05

Epoch 75/100

645/645 [==============================] - 57s 89ms/step - loss: 0.6484 - emotion_output_loss: 0.5391 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.8048 - stress_output_mae: 0.2188 - val_loss: 1.1253 - val_emotion_output_loss: 1.0160 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6463 - val_stress_output_mae: 0.2187 - lr: 1.2500e-05

Epoch 76/100

645/645 [==============================] - 58s 90ms/step - loss: 0.6543 - emotion_output_loss: 0.5449 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.8020 - stress_output_mae: 0.2188 - val_loss: 1.1287 - val_emotion_output_loss: 1.0193 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6370 - val_stress_output_mae: 0.2187 - lr: 1.2500e-05

Epoch 77/100

645/645 [==============================] - 57s 88ms/step - loss: 0.6466 - emotion_output_loss: 0.5373 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.8039 - stress_output_mae: 0.2187 - val_loss: 1.1422 - val_emotion_output_loss: 1.0328 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6434 - val_stress_output_mae: 0.2187 - lr: 1.2500e-05

Epoch 78/100

645/645 [==============================] - 57s 88ms/step - loss: 0.6447 - emotion_output_loss: 0.5353 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.8035 - stress_output_mae: 0.2188 - val_loss: 1.1778 - val_emotion_output_loss: 1.0684 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6275 - val_stress_output_mae: 0.2187 - lr: 1.2500e-05

Epoch 79/100

645/645 [==============================] - 57s 89ms/step - loss: 0.6389 - emotion_output_loss: 0.5295 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.8084 - stress_output_mae: 0.2188 - val_loss: 1.2071 - val_emotion_output_loss: 1.0977 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6221 - val_stress_output_mae: 0.2188 - lr: 1.2500e-05

Epoch 80/100

645/645 [==============================] - ETA: 0s - loss: 0.6416 - emotion_output_loss: 0.5322 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.8053 - stress_output_mae: 0.2188

Epoch 80: ReduceLROnPlateau reducing learning rate to 6.24999984211172e-06.

645/645 [==============================] - 57s 89ms/step - loss: 0.6416 - emotion_output_loss: 0.5322 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.8053 - stress_output_mae: 0.2188 - val_loss: 1.1434 - val_emotion_output_loss: 1.0340 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6388 - val_stress_output_mae: 0.2188 - lr: 1.2500e-05

Epoch 81/100

645/645 [==============================] - 57s 88ms/step - loss: 0.6285 - emotion_output_loss: 0.5191 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.8103 - stress_output_mae: 0.2188 - val_loss: 1.1579 - val_emotion_output_loss: 1.0485 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6369 - val_stress_output_mae: 0.2188 - lr: 6.2500e-06

Epoch 82/100

645/645 [==============================] - 57s 89ms/step - loss: 0.6235 - emotion_output_loss: 0.5141 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.8138 - stress_output_mae: 0.2188 - val_loss: 1.1606 - val_emotion_output_loss: 1.0512 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6367 - val_stress_output_mae: 0.2188 - lr: 6.2500e-06

Epoch 83/100

645/645 [==============================] - 57s 88ms/step - loss: 0.6244 - emotion_output_loss: 0.5150 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.8128 -

stress_output_mae: 0.2188 - val_loss: 1.1651 - val_emotion_output_loss: 1.0558 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6356 - val_stress_output_mae: 0.2187 - lr: 6.2500e-06

Epoch 84/100

645/645 [==============================] - 57s 88ms/step - loss: 0.6200 - emotion_output_loss: 0.5106 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.8137 - stress_output_mae: 0.2187 - val_loss: 1.1586 - val_emotion_output_loss: 1.0492 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6369 - val_stress_output_mae: 0.2188 - lr: 6.2500e-06

Epoch 85/100

645/645 [==============================] - ETA: 0s - loss: 0.6211 - emotion_output_loss: 0.5118 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.8149 - stress_output_mae: 0.2188Restoring model weights from the end of the best epoch: 75.

Epoch 85: ReduceLROnPlateau reducing learning rate to 3.12499992105586e-06.

645/645 [==============================] - 57s 88ms/step - loss: 0.6211 - emotion_output_loss: 0.5118 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.8149 - stress_output_mae: 0.2188 - val_loss: 1.1520 - val_emotion_output_loss: 1.0426 - val_stress_output_loss: 0.1094 - val_emotion_output_accuracy: 0.6403 - val_stress_output_mae: 0.2188 - lr: 6.2500e-06

Epoch 85: early stopping

112/112 [==============================] - 5s 45ms/step - loss: 1.1420 - emotion_output_loss: 1.0326 - stress_output_loss: 0.1094 - emotion_output_accuracy: 0.6278 - stress_output_mae: 0.2187

Total Loss: 1.1420

Loss (Emotion): 1.0326

Loss (Stress): 0.1094

Validation Accuracy (Emotion): 62.78%

Validation MAE (Stress): 0.2187

113/113 [==============================] - 5s 44ms/step

	precision	recall	f1-score	support
anger	0.55	0.55	0.55	958
contempt	0.83	0.91	0.87	11

disgust	0.73	0.65	0.69	111
fear	0.48	0.38	0.43	1024
happy	0.83	0.87	0.85	1774
neutral	0.58	0.61	0.60	1233
sad	0.51	0.53	0.52	1247
surprise	0.76	0.76	0.76	831
accuracy			0.64	7189
macro avg	0.66	0.66	0.66	7189
weighted avg	0.63	0.64	0.64	7189