#### Train Emotion Classification Report: precision recall f1-score support

0.80 0.93 0.86 121 angry disgust 0.60 0.21 0.32 14 0.79 0.58 fear 0.67 52 happy 0.97 0.98 0.97 178 0.84 0.85 0.84 sad 117 surprise 0.88 0.81 0.84 131 0.94 0.99 0.97 169 neutral

accuracy 0.89 782 macro avg 0.83 0.76 0.78 782 weighted avg 0.88 0.89 0.88 782

## Train Gender Classification Report: precision recall f1-score support

Man 0.95 0.94 0.94 432 Woman 0.92 0.94 0.93 350

accuracy 0.94 782 macro avg 0.94 0.94 0.94 782 weighted avg 0.94 0.94 0.94 782

■ Validation Emotion Classification Report:

#### precision recall f1-score support

0.79 0.81 angry 0.85 28 disgust 0.00 0.00 0.00 3 0.38 0.55 fear 1.00 happy 0.92 1.00 0.96 35 sad 0.50 0.50 0.50 12 0.76 surprise 0.70 0.83 23 0.95 1.00 0.97 neutral 36

accuracy 0.83 145
macro avg 0.70 0.64 0.65 145
weighted avg 0.83 0.83 0.82 145

## Validation Gender Classification Report: precision recall f1-score support

Man 0.94 0.91 0.92 79 Woman 0.90 0.92 0.91 66

accuracy 0.92 145
macro avg 0.92 0.92 0.92 145
weighted avg 0.92 0.92 0.92 145

# Test Emotion Classification Report: precision recall f1-score support

angry 0.62 0.89 0.73 9 disgust 0.00 0.00 0.00 fear 1.00 0.50 0.67 happy 0.92 1.00 0.96 12 1.00 0.56 0.71 9 sad surprise 0.55 0.60 0.57 10 1.00 neutral 0.75 0.86 6

accuracy 0.75 53

macro avg 0.69 0.65 0.64 53

weighted avg 0.78 0.75 0.74 53

#### ■ Test Gender Classification Report:

precision recall f1-score support

Man 0.96 0.90 0.93 30 Woman 0.88 0.96 0.92 23

accuracy 0.92 53
macro avg 0.92 0.93 0.92 53
weighted avg 0.93 0.92 0.92 53

/usr/local/lib/python3.11/dist-packages/sklearn/metrics/\_classification.py:1565: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 in labels with no predicted samples. Use `zero\_division` parameter to control this behavior.

\_warn\_prf(average, modifier, f"{metric.capitalize()} is", len(result))

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