saved_models\rnn_normalized_before_relative_w1000ms.pth Training Report

Total Training Time: 50.53 seconds
Average Time per Epoch: 2.53 seconds
Inference Time on Test Set: 0.05 seconds

Test Loss: 1.5865
Test Accuracy: 26.79%

Model Size: 0.23 MB

Configuration and Hyperparameters

Data Directory: data\2024-11-24T10_13_28_d300sec_w1000ms
Training Data File: data\2024-11-24T10_13_28_d300sec_w1000ms\training.csv
Testing Data File: data\2024-11-24T10_13_28_d300sec_w1000ms\testing.csv
Model Save Path: saved_models\rnn_normalized_before_relative_w1000ms.pth
PDF Report Path: run_reports\rnn_normalized_before_relative_w1000ms.pdf
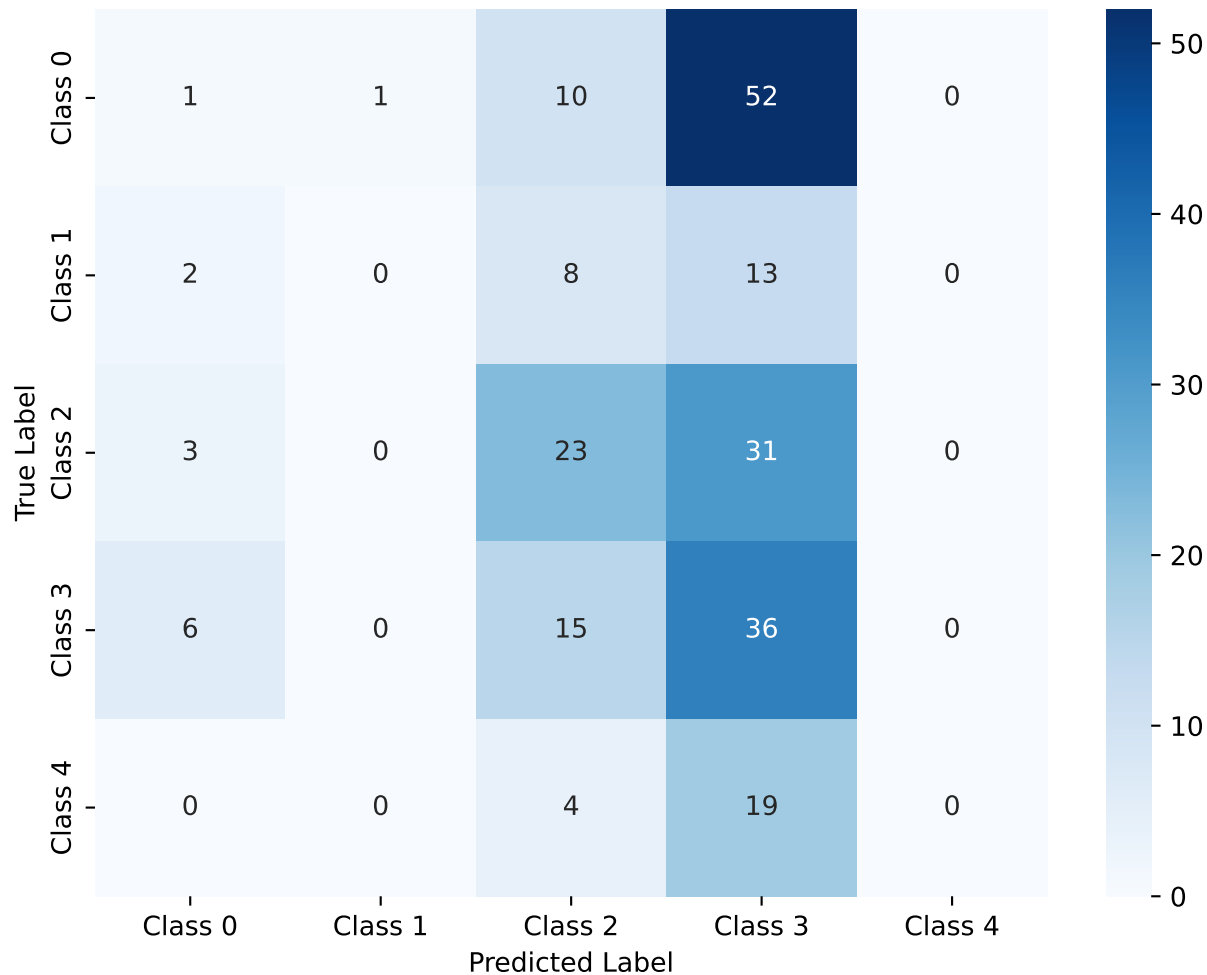
Hyperparameters:
  num_features: 72
  window_size: 60
  num_classes: 5
  batch_size: 32
  num_epochs: 20
  learning_rate: 0.001
  validation_split: 0.2
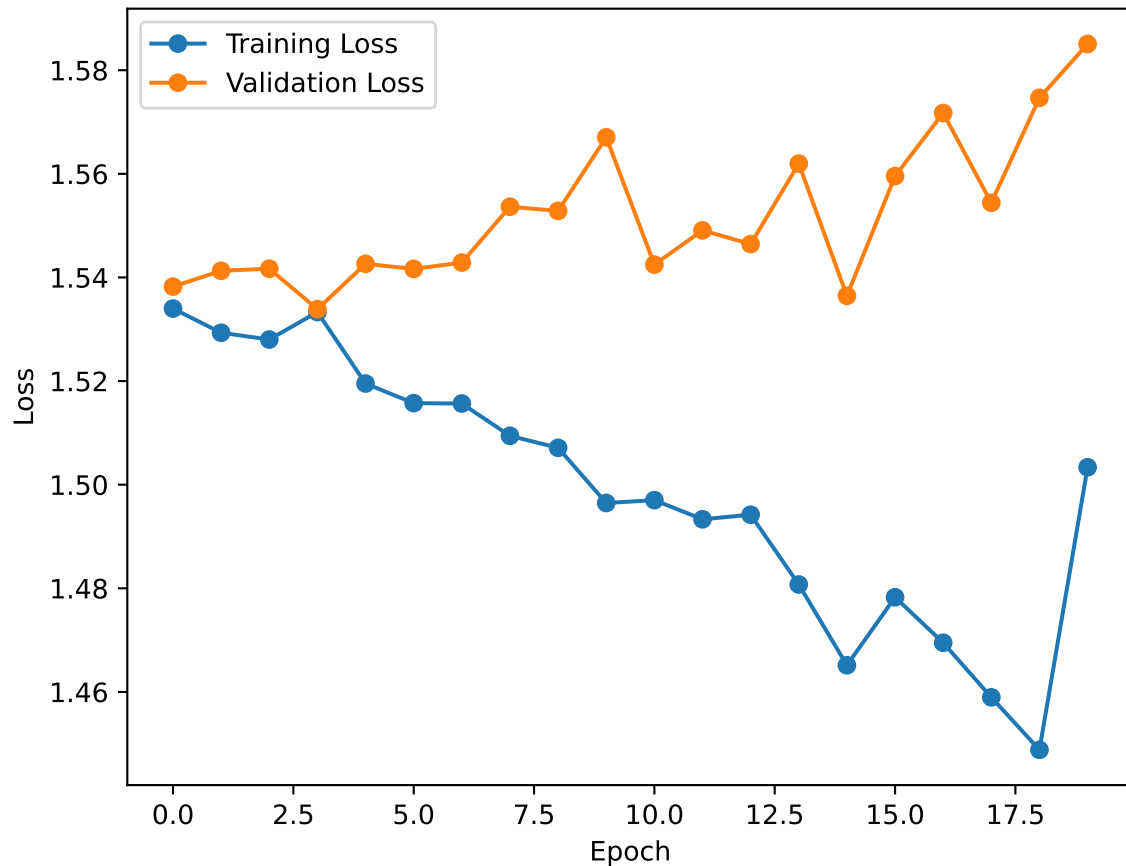  hidden_size: 128
  num_layers: 2

# Classification Report

|              | precision | recall | f1-score | support |
|--------------|-----------|--------|----------|---------|
| Class 0      | 0.08      | 0.02   | 0.03     | 64      |
| Class 1      | 0.00      | 0.00   | 0.00     | 23      |
| Class 2      | 0.38      | 0.40   | 0.39     | 57      |
| Class 3      | 0.24      | 0.63   | 0.35     | 57      |
| Class 4      | 0.00      | 0.00   | 0.00     | 23      |
| accuracy     |           |        | 0.27     | 224     |
| macro avg    | 0.14      | 0.21   | 0.15     | 224     |
| weighted avg | 0.18      | 0.27   | 0.20     | 224     |