Epoch 1/25, Train Loss: 1.3747, Val Loss: 1.2199, Val Accuracy: 50.00%, Val Precision: 0.5346, Val Recall: 0.5000, Val F1 Score: 0.4874

Epoch 2/25, Train Loss: 1.2125, Val Loss: 1.1679, Val Accuracy: 50.00%, Val Precision: 0.4950, Val Recall: 0.5000, Val F1 Score: 0.4559

Epoch 3/25, Train Loss: 1.1754, Val Loss: 1.0128, Val Accuracy: 61.75%, Val Precision: 0.6045, Val Recall: 0.6175, Val F1 Score: 0.6042

Epoch 4/25, Train Loss: 1.0882, Val Loss: 1.0523, Val Accuracy: 55.75%, Val Precision: 0.5542, Val Recall: 0.5575, Val F1 Score: 0.5487

Epoch 5/25, Train Loss: 1.0427, Val Loss: 1.0053, Val Accuracy: 60.00%, Val Precision: 0.6090, Val Recall: 0.6000, Val F1 Score: 0.5923

Epoch 6/25, Train Loss: 1.0327, Val Loss: 1.0520, Val Accuracy: 56.50%, Val Precision: 0.5831, Val Recall: 0.5650, Val F1 Score: 0.5675

Epoch 7/25, Train Loss: 0.9414, Val Loss: 0.9839, Val Accuracy: 63.50%, Val Precision: 0.6416, Val Recall: 0.6350, Val F1 Score: 0.6235

Epoch 8/25, Train Loss: 0.8420, Val Loss: 0.9540, Val Accuracy: 65.75%, Val Precision: 0.6435, Val Recall: 0.6575, Val F1 Score: 0.6442

Epoch 9/25, Train Loss: 0.8047, Val Loss: 0.9485, Val Accuracy: 64.75%, Val Precision: 0.6397, Val Recall: 0.6475, Val F1 Score: 0.6407

Epoch 10/25, Train Loss: 0.7758, Val Loss: 0.9347, Val Accuracy: 65.75%, Val Precision: 0.6463, Val Recall: 0.6575, Val F1 Score: 0.6484

Epoch 11/25, Train Loss: 0.7639, Val Loss: 0.9343, Val Accuracy: 66.00%, Val Precision: 0.6467, Val Recall: 0.6600, Val F1 Score: 0.6457

Epoch 12/25, Train Loss: 0.7730, Val Loss: 0.9257, Val Accuracy: 66.50%, Val Precision: 0.6620, Val Recall: 0.6650, Val F1 Score: 0.6606

Epoch 13/25, Train Loss: 0.7416, Val Loss: 0.9352, Val Accuracy: 67.00%, Val Precision: 0.6578, Val Recall: 0.6700, Val F1 Score: 0.6587

Epoch 14/25, Train Loss: 0.7092, Val Loss: 0.9371, Val Accuracy: 65.50%, Val Precision: 0.6489, Val Recall: 0.6550, Val F1 Score: 0.6503

Epoch 15/25, Train Loss: 0.7135, Val Loss: 0.9374, Val Accuracy: 65.75%, Val Precision: 0.6534, Val Recall: 0.6575, Val F1 Score: 0.6535

Epoch 16/25, Train Loss: 0.7079, Val Loss: 0.9273, Val Accuracy: 65.50%, Val Precision: 0.6492, Val Recall: 0.6550, Val F1 Score: 0.6506

Epoch 17/25, Train Loss: 0.7146, Val Loss: 0.9168, Val Accuracy: 66.50%, Val Precision: 0.6579, Val Recall: 0.6650, Val F1 Score: 0.6589

Epoch 18/25, Train Loss: 0.7091, Val Loss: 0.9184, Val Accuracy: 67.00%, Val Precision: 0.6624, Val Recall: 0.6700, Val F1 Score: 0.6636

Epoch 19/25, Train Loss: 0.7281, Val Loss: 0.9152, Val Accuracy: 66.00%, Val Precision: 0.6525, Val Recall: 0.6600, Val F1 Score: 0.6541

Epoch 20/25, Train Loss: 0.6861, Val Loss: 0.9161, Val Accuracy: 66.75%, Val Precision: 0.6594, Val Recall: 0.6675, Val F1 Score: 0.6612

Epoch 21/25, Train Loss: 0.6821, Val Loss: 0.9165, Val Accuracy: 66.25%, Val Precision: 0.6578, Val Recall: 0.6625, Val F1 Score: 0.6594

Epoch 22/25, Train Loss: 0.6919, Val Loss: 0.9199, Val Accuracy: 66.00%, Val Precision: 0.6531, Val Recall: 0.6600, Val F1 Score: 0.6543

Epoch 23/25, Train Loss: 0.6856, Val Loss: 0.9141, Val Accuracy: 66.50%, Val Precision: 0.6591, Val Recall: 0.6650, Val F1 Score: 0.6597

Epoch 24/25, Train Loss: 0.6996, Val Loss: 0.9222, Val Accuracy: 66.50%, Val Precision: 0.6576, Val Recall: 0.6650, Val F1 Score: 0.6588

Epoch 25/25, Train Loss: 0.7062, Val Loss: 0.9199, Val Accuracy: 66.50%, Val Precision: 0.6594, Val Recall: 0.6650, Val F1 Score: 0.6597

A group of graphs showing different colored lines

Description automatically generated with medium confidence

Test Accuracy: 62.40%, Test Precision: 0.6176, Test Recall: 0.6240, Test F1 Score: 0.6185

Confusion Matrix:

[[52 17 4 20 7]

[10 79 0 6 5]

[ 6 1 81 3 9]

[13 7 6 58 16]

[15 12 12 19 42]]