**Testing Logistic Regression classification with removed classes:**

**No Happy / Interested**

Correctly Classified Instances 34 29.8246 %

Incorrectly Classified Instances 80 70.1754 %

=== Confusion Matrix ===

a b c <-- classified as

14 18 9 | a = sad

19 16 6 | b = worried

13 15 4 | c = stern

**No Happy / Sad**

Correctly Classified Instances 37 33.0357 %

Incorrectly Classified Instances 75 66.9643 %

=== Confusion Matrix ===

a b c <-- classified as

9 18 12 | a = interested

12 20 9 | b = worried

10 14 8 | c = stern

**No Happy / Stern**

Correctly Classified Instances 37 30.5785 %

Incorrectly Classified Instances 84 69.4215 %

=== Confusion Matrix ===

a b c <-- classified as

9 12 18 | a = interested

11 15 15 | b = sad

8 20 13 | c = worried

**No Happy / Worried**

Correctly Classified Instances 33 29.4643 %

Incorrectly Classified Instances 79 70.5357 %

=== Confusion Matrix ===

a b c <-- classified as

12 19 8 | a = interested

17 18 6 | b = sad

15 14 3 | c = stern

**No Interested / Sad**

Correctly Classified Instances 47 37.6 %

Incorrectly Classified Instances 78 62.4 %

=== Confusion Matrix ===

a b c <-- classified as

30 13 9 | a = happy

25 12 4 | b = worried

20 7 5 | c = stern

**No Interested / Stern**

Correctly Classified Instances 41 30.597 %

Incorrectly Classified Instances 93 69.403 %

=== Confusion Matrix ===

a b c <-- classified as

28 10 14 | a = happy

26 3 12 | b = sad

20 11 10 | c = worried

**No Interested / Worried**

Correctly Classified Instances 47 37.6 %

Incorrectly Classified Instances 78 62.4 %

=== Confusion Matrix ===

a b c <-- classified as

38 7 7 | a = happy

29 7 5 | b = sad

22 8 2 | c = stern

**No Sad / Stern**

Correctly Classified Instances 50 37.8788 %

Incorrectly Classified Instances 82 62.1212 %

=== Confusion Matrix ===

a b c <-- classified as

32 11 9 | a = happy

20 9 10 | b = interested

19 13 9 | c = worried

**No Sad / Worried**

Correctly Classified Instances 44 35.7724 %

Incorrectly Classified Instances 79 64.2276 %

=== Confusion Matrix ===

a b c <-- classified as

34 12 6 | a = happy

28 6 5 | b = interested

20 8 4 | c = stern

**No Worried / Stern**

Correctly Classified Instances 41 31.0606 %

Incorrectly Classified Instances 91 68.9394 %

=== Confusion Matrix ===

a b c <-- classified as

29 12 11 | a = happy

22 10 7 | b = interested

30 9 2 | c = sad

**No Happy**

Correctly Classified Instances 33 21.5686 %

Incorrectly Classified Instances 120 78.4314 %

=== Confusion Matrix ===

a b c d <-- classified as

8 8 18 5 | a = interested

12 8 14 7 | b = sad

8 17 12 4 | c = worried

8 11 8 5 | d = stern

**No Interested**

Correctly Classified Instances 44 26.506 %

Incorrectly Classified Instances 122 73.494 %

=== Confusion Matrix ===

a b c d <-- classified as

29 8 10 5 | a = happy

23 4 10 4 | b = sad

20 9 9 3 | c = worried

15 6 9 2 | d = stern

**No Sad**

Correctly Classified Instances 42 25.6098 %

Incorrectly Classified Instances 122 74.3902 %

=== Confusion Matrix ===

a b c d <-- classified as

26 10 11 5 | a = happy

19 6 11 3 | b = interested

20 8 10 3 | c = worried

22 7 3 0 | d = stern

**No Stern**

Correctly Classified Instances 43 24.8555 %

Incorrectly Classified Instances 130 75.1445 %

=== Confusion Matrix ===

a b c d <-- classified as

27 7 8 10 | a = happy

20 7 3 9 | b = interested

26 5 2 8 | c = sad

19 10 5 7 | d = worried

**No Worried**

Correctly Classified Instances 45 27.439 %

Incorrectly Classified Instances 119 72.561 %

=== Confusion Matrix ===

a b c d <-- classified as

31 7 9 5 | a = happy

22 7 7 3 | b = interested

27 6 5 3 | c = sad

20 6 4 2 | d = stern