

# Results of emotion recognition on improved speechflow

## Training with IEMOCAP

| No. | Factors |        |       | Test Sets |            |       |
|-----|---------|--------|-------|-----------|------------|-------|
|     | Content | Rhythm | Pitch | IEMOCAP   | MSP-IMPROV | SAVEE |
| 1   | -       | -      | -     | 59.08     | 28.14      | 45.00 |
| 2   | √       | √      | √     | 58.52     | 28.68      | 48.12 |
| 3   | ×       | ×      | ×     | 25.00     | 25.00      | 25.00 |
| 4   | √       | ×      | ×     | 47.41     | 27.29      | 44.17 |
| 5   | ×       | √      | ×     | 61.88     | 31.23      | 33.33 |
| 6   | ×       | ×      | √     | 45.92     | 26.14      | 28.75 |
| 7   | √       | √      | ×     | 59.82     | 27.62      | 39.58 |
| 8   | √       | ×      | √     | 50.50     | 26.34      | 43.12 |
| 9   | ×       | √      | √     | 57.45     | 28.10      | 35.21 |

## Training with MSP-IMPROV

| No. | Factors |        |       | Test Sets  |         |       |
|-----|---------|--------|-------|------------|---------|-------|
|     | Content | Rhythm | Pitch | MSP-IMPROV | IEMOCAP | SAVEE |
| 1   | -       | -      | -     | 39.65      | 32.81   | 43.54 |
| 2   | √       | √      | √     | 37.21      | 33.56   | 37.08 |
| 3   | ×       | ×      | ×     | 27.34      | 25.00   | 24.58 |
| 4   | √       | ×      | ×     | 33.22      | 36.02   | 36.46 |
| 5   | ×       | √      | ×     | 36.68      | 35.02   | 30.21 |
| 6   | ×       | ×      | √     | 28.26      | 36.43   | 28.33 |
| 7   | √       | √      | ×     | 37.39      | 33.30   | 30.00 |
| 8   | √       | ×      | √     | 34.34      | 31.42   | 35.83 |
| 9   | ×       | √      | √     | 35.98      | 29.09   | 29.38 |

