# iMiGUE: An Identity-free Video Dataset for Micro-Gesture Understanding and Emotion Analysis Supplementary Material 

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## 1. iMiGUE Evaluation Protocols

In the proposed iMiGUE dataset, a two-level criteria has been defined. More specifically, on the MG recognition level, we utilized the cross-subject evaluation protocol which divides the 72 subjects into a training group of 37 subjects and a testing group of 35 subjects. The training and testing sets have 13936 and 4563 MG samples, respectively. The subject IDs of training and testing are:

Training set: $\{2,4,5,6,9,10,12,13,14,15,17,18,20$, $21,22,23,25,28,29,30,31,35,36,38,39,41,42,43,44$, $46,47,48,52,53,59,61,62\}$;

Testing set: $\{1,3,7,8,11,16,19,24,26,27,32,33,34$, $37,40,45,49,50,51,54,55,56,57,58,60,63,64,65,66$, $67,68,69,70,71,72\}$.

On the emotion classification level, we selected 102 videos ( 51 win and 51 lose matches) as the training set, and 100 videos ( 50 win and 50 lose matches) as the test set. The player's emotional states (positive/negative) with the result of win or lose, are classified via analysis of micro-gestures. The video IDs of training and testing are:

Training set: $\{1,7,8,11,26,27,46,47,48,53,55,57$, $63,66,67,74,77,84,85,86,91,96,102,103,104,105$, $106,108,109,112,114,117,124,132,134,140,148,157$, $161,162,163,164,167,169,170,172,176,186,196,216$, 233, 236, 237, 239, 240, 241, 242, 243, 249, 252, 266, 290, 297, 300, 306, 310, 314, 318, 319, 320, 324, 334, 339, 359, $360,365,369,377,381,385,392,402,407,410,411,413$, 414, 415, 420, 429, 433, 435, 436, 440, 441, 445, 448, 449, 450, 451, 452, 453\};

Testing set: $\{9,10,12,16,28,35,43,49,50,51,52$, $54,56,60,71,72,83,89,95,100,107,110,111,121,131$, $136,144,145,165,166,168,171,174,179,185,191,193$, $212,220,223,230,231,232,234,235,238,244,246,254$,

258, 262, 263, 268, 270, 276, 280, 282, 303, 304, 311, 312, $313,315,316,317,322,323,325,327,328,329,333,337$, 341, 343, 344, 363, 374, 400, 401, 403, 404, 405, 406, 408, $416,417,419,421,428,430,431,437,438,439,442,443$, $444,446,447\}$.

