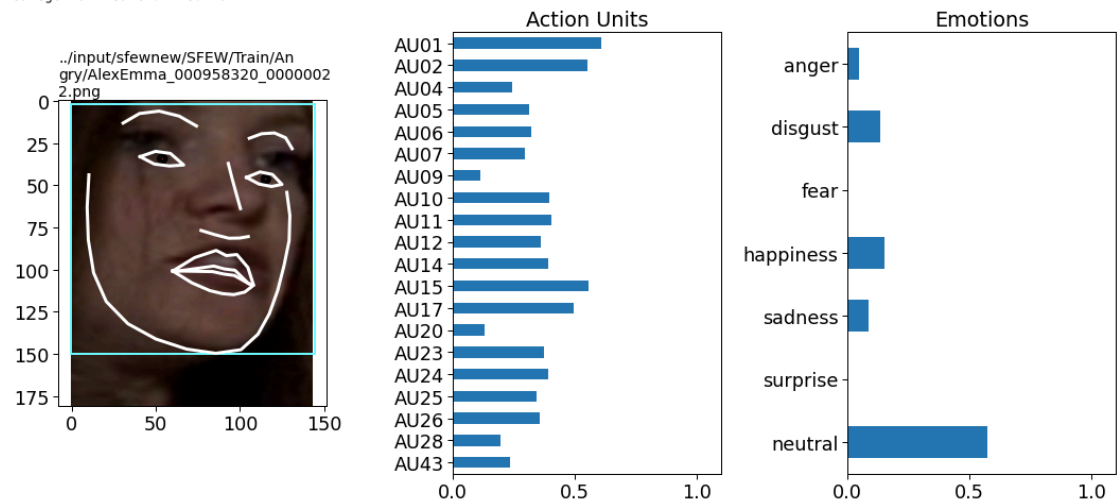DATOS GENERADOS:

--- INICIO SIMULACIÓN ---

Simulación: 1
Procesando datos...
Loading Face Detection model: retinaface
Loading Face Landmark model: mobilenet
Loading au model: rf
Loading emotion model: fer
Categoría Predicha: neutral

../input/sfewnew/SFEW/Train/Angry/AlexEmma_000958320_00000022.png

INFORMACIÓN DATASET
Número de carpetas: 7
Número de clases: 7
Tamaño de la imagen: (143, 181)
Elementos procesados: 1303
FIN Procesando datos.

Py-Feat FER Metrics

Información Conjunto Completo

	precision	recall	f1-score	support
anger	0.87	0.11	0.19	239
disgust	1.00	0.01	0.03	72
fear	1.00	0.01	0.02	119
happiness	0.61	0.85	0.71	236
sadness	0.41	0.43	0.42	213
surprise	0.28	0.09	0.14	142
neutral	0.32	0.88	0.47	223
accuracy			0.42	1244
macro avg	0.64	0.34	0.28	1244
weighted avg	0.59	0.42	0.35	1244

Confussion matrix:
[[26 0 0 44 57 22 90]
 [2 1 0 15 12   2 40]
 [0 0 1 12 13   9 84]
 [0 0 0 200   4   0 32]
 [1 0 0 25 91   0 96]
 [1 0 0 19 35 13 74]
 [0 0 0 15 12   0 196]]

Información Conjunto Train

	precision	recall	f1-score	support
anger	0.85	0.13	0.23	165
disgust	1.00	0.02	0.04	49
fear	1.00	0.01	0.03	75
happiness	0.63	0.84	0.72	174
sadness	0.41	0.42	0.41	148
surprise	0.21	0.09	0.12	93
neutral	0.31	0.87	0.46	141
accuracy			0.43	845
macro avg	0.63	0.34	0.29	845
weighted avg	0.59	0.43	0.36	845

Confussion matrix:
```
[[ 22   0   0  28  37  21  57]
 [  2   1   0  12   8   2  24]
 [  0   0   1   7   7   7  53]
 [  0   0   0 147   4   0  23]
 [  1   0   0  19  62   0  66]
 [  1   0   0  12  25   8  47]
 [  0   0   0   9   9   0 123]]
```

Información Conjunto Validation

	precision	recall	f1-score	support
anger	1.00	0.05	0.10	74
disgust	0.00	0.00	0.00	23
fear	0.00	0.00	0.00	44
happiness	0.55	0.85	0.67	62
sadness	0.40	0.45	0.42	65
surprise	0.62	0.10	0.18	49
neutral	0.33	0.89	0.49	82
accuracy			0.41	399
macro avg	0.42	0.34	0.27	399
weighted avg	0.48	0.41	0.31	399

Confussion matrix:
```
[[ 4  0  0 16 20  1 33]
 [ 0  0  0  3  4  0 16]
 [ 0  0  0  5  6  2 31]
 [ 0  0  0 53  0  0  9]
 [ 0  0  0  6 29  0 30]
 [ 0  0  0  7 10  5 27]
 [ 0  0  0  6  3  0 73]]
```

Simulación: 2
Procesando datos...
Loading Face Detection model: retinaface
Loading Face Landmark model: mobilenet
Loading au model: rf
Loading emotion model: fer
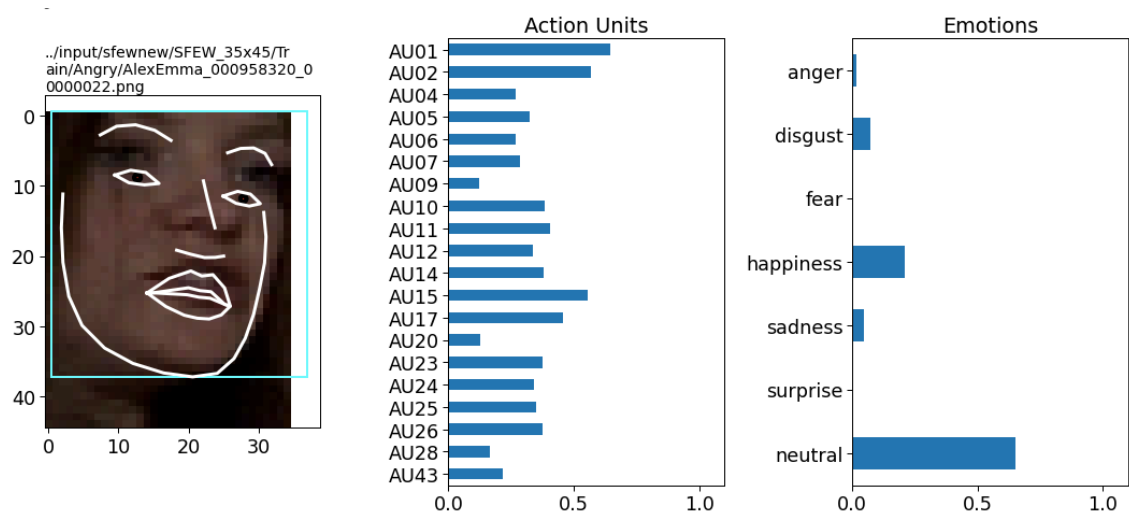INFORMACIÓN DATASET
Número de carpetas: 7
Número de clases: 7
Tamaño de la imagen: (17, 22)

Elementos procesados: 1303
FIN Procesando datos.

Py-Feat FER Metrics
No se han detectado caras en el data-set dado.

Simulación: 3
Procesando datos...
Loading Face Detection model: retinaface
Loading Face Landmark model: mobilenet
Loading au model: rf
Loading emotion model: fer
Categoría Predicha: neutral

INFORMACIÓN DATASET
Número de carpetas: 7
Número de clases: 7
Tamaño de la imagen: (35, 45)
Elementos procesados: 1303
FIN Procesando datos.

Py-Feat FER Metrics

Información Conjunto Completo

	precision	recall	f1-score	support
anger	0.94	0.09	0.16	174
disgust	1.00	0.02	0.04	54
fear	0.00	0.00	0.00	79
happiness	0.66	0.81	0.73	194
sadness	0.36	0.22	0.27	159
surprise	0.32	0.07	0.11	117
neutral	0.29	0.95	0.45	177
accuracy			0.40	954
macro avg	0.51	0.31	0.25	954
weighted avg	0.52	0.40	0.32	954

Confussion matrix:
[[15 0 0 26 28 8 97]
 [1 1 0 14 7 1 30]
 [0 0 0 10 6 6 57]

```
[ 0  0  0 158  1  1  34]
[ 0  0  0  14 35  1 109]
[ 0  0  0  10 19  8  80]
[ 0  0  0   7  1  0 169]]
```

Información Conjunto Train

	precision	recall	f1-score	support
anger	0.92	0.09	0.17	121
disgust	1.00	0.03	0.06	33
fear	0.00	0.00	0.00	43
happiness	0.68	0.84	0.75	141
sadness	0.38	0.25	0.31	106
surprise	0.29	0.08	0.12	77
neutral	0.29	0.94	0.45	109
accuracy			0.42	630
macro avg	0.51	0.32	0.26	630
weighted avg	0.53	0.42	0.35	630

Confussion matrix:
```
[[ 11  0  0  17 20  8 65]
 [  1  1  0  11  5  1 14]
 [  0  0  0   5  2  4 32]
 [  0  0  0 118  1  1 21]
 [  0  0  0  12 27  1 66]
 [  0  0  0   5 15  6 51]
 [  0  0  0   5  1  0 103]]
```

Información Conjunto Validation

	precision	recall	f1-score	support
anger	1.00	0.08	0.14	53
disgust	0.00	0.00	0.00	21
fear	0.00	0.00	0.00	36
happiness	0.61	0.75	0.67	53
sadness	0.31	0.15	0.20	53
surprise	0.50	0.05	0.09	40
neutral	0.29	0.97	0.45	68
accuracy			0.37	324
macro avg	0.39	0.29	0.22	324
weighted avg	0.44	0.37	0.27	324

Confussion matrix:
```
[[ 4 0 0  9 8 0 32]
 [ 0 0 0  3 2 0 16]
 [ 0 0 0  5 4 2 25]
 [ 0 0 0 40 0 0 13]
 [ 0 0 0  2 8 0 43]
 [ 0 0 0  5 4 2 29]
 [ 0 0 0  2 0 0 66]]
```
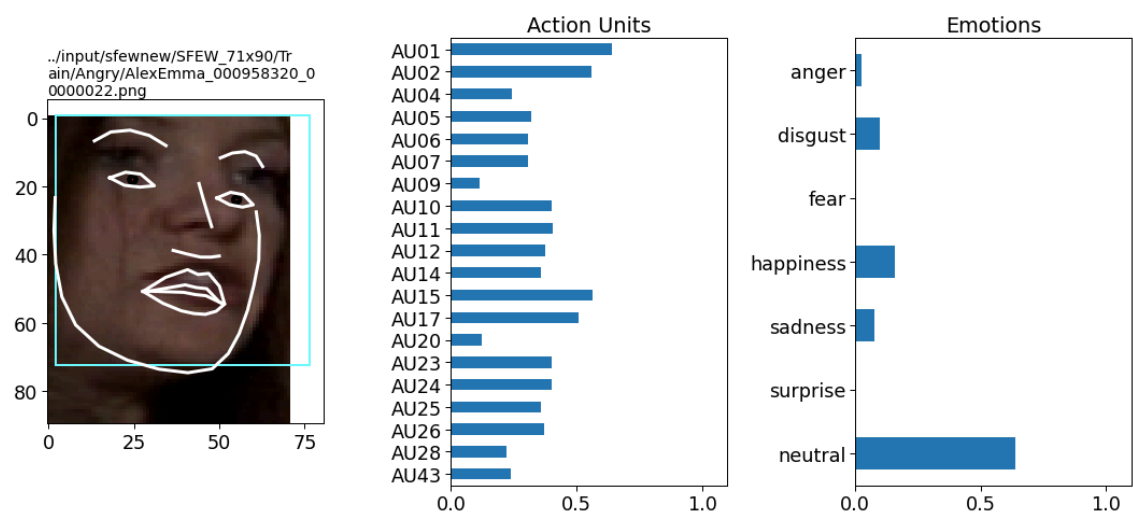
Simulación: 4
Procesando datos...
Loading Face Detection model: retinaface
Loading Face Landmark model: mobilenet
Loading au model: rf
Loading emotion model: fer

Categoría Predicha: neutral

../input/sfewnew/SFEW_71x90/Train/Angry/AlexEmma_000958320_00000022.png

INFORMACIÓN DATASET
Número de carpetas: 7
Número de clases: 7
Tamaño de la imagen: (71, 90)
Elementos procesados: 1303
FIN Procesando datos.

Py-Feat FER Metrics

Información Conjunto Completo

	precision	recall	f1-score	support
anger	0.86	0.10	0.18	237
disgust	0.50	0.01	0.03	70
fear	1.00	0.01	0.02	115
happiness	0.62	0.82	0.70	235
sadness	0.39	0.33	0.36	211
surprise	0.31	0.11	0.16	141
neutral	0.29	0.87	0.44	221
accuracy			0.40	1230
macro avg	0.57	0.32	0.27	1230
weighted avg	0.56	0.40	0.33	1230

Confussion matrix:
[[24   0   0 43 45 22 103]
 [2   1   0 15   8   3 41]
 [0   0   1 12 11   8 83]
 [0   0   0 193   5   0 37]
 [1   0   0 21 70   0 119]
 [1   1   0 15 26 15 83]
 [0   0   0 14 14   0 193]]

Información Conjunto Train

	precision	recall	f1-score	support
anger	0.84	0.13	0.22	164
disgust	0.50	0.02	0.04	48
fear	1.00	0.01	0.03	72

	precision	recall	f1-score	support
happiness	0.63	0.82	0.72	173
sadness	0.43	0.38	0.40	146
surprise	0.26	0.11	0.15	92
neutral	0.29	0.88	0.44	140
accuracy			0.42	835
macro avg	0.57	0.34	0.29	835
weighted avg	0.56	0.42	0.36	835

Confussion matrix:
```
[[ 21  0  0 31 29 19 64]
 [  2  1  0 12  5  3 25]
 [  0  0  1  7  6  6 52]
 [  0  0  0 142  5  0 26]
 [  1  0  0 17 55  0 73]
 [  1  1  0  8 18 10 54]
 [  0  0  0  7 10  0 123]]
```

Información Conjunto Validation

	precision	recall	f1-score	support
anger	1.00	0.04	0.08	73
disgust	0.00	0.00	0.00	22
fear	0.00	0.00	0.00	43
happiness	0.57	0.82	0.68	62
sadness	0.29	0.23	0.26	65
surprise	0.50	0.10	0.17	49
neutral	0.29	0.86	0.43	81
accuracy			0.36	395
macro avg	0.38	0.29	0.23	395
weighted avg	0.44	0.36	0.27	395

Confussion matrix:
```
[[ 3  0  0 12 16  3 39]
 [ 0  0  0  3  3  0 16]
 [ 0  0  0  5  5  2 31]
 [ 0  0  0 51  0  0 11]
 [ 0  0  0  4 15  0 46]
 [ 0  0  0  7  8  5 29]
 [ 0  0  0  7  4  0 70]]
```
--- FIN SIMULACIÓN ---