DATOS GENERADOS:

--- INICIO SIMULACIÓN ---

Simulación: 1
INICIANDO PROCESADO. Tamaño de procesamiento: (143, 181)

INFORMACIÓN DATASET
Número de carpetas: 7
Número de clases: 7

Tamaño de la imagen: (143, 181)
Elementos procesados: 1303

DeepFace FER Metrics

Información Conjunto Completo

	precision	recall	f1-score	support
angry	0.47	0.40	0.43	255
disgust	0.00	0.00	0.00	75
fear	0.13	0.18	0.15	122
happy	0.50	0.50	0.50	247
neutral	0.30	0.43	0.35	226
sad	0.24	0.30	0.27	230
surprise	0.33	0.11	0.17	148
accuracy			0.33	1303
macro avg	0.28	0.28	0.27	1303
weighted avg	0.33	0.33	0.32	1303

Confussion matrix:
[[103 0 20 44 44 34 10]
 [13 0 8 15 16 20 3]
 [15 0 22 15 28 27 15]
 [22 0 14 123 46 40 2]
 [16 0 33 11 98 66 2]
 [34 0 30 23 71 70 2]
 [16 0 36 15 27 37 17]]

Información Conjunto Train

	precision	recall	f1-score	support
angry	0.46	0.42	0.44	178
disgust	0.00	0.00	0.00	52
fear	0.17	0.22	0.19	78
happy	0.51	0.52	0.51	184
neutral	0.30	0.46	0.36	144
sad	0.27	0.30	0.28	161
surprise	0.33	0.14	0.19	94
accuracy			0.35	891
macro avg	0.29	0.29	0.28	891
weighted avg	0.34	0.35	0.34	891

Confussion matrix:
[[74 0 16 29 26 23 10]
 [10 0 6 14 8 11 3]
 [9 0 17 10 19 13 10]
 [16 0 8 95 38 25 2]
 [13 0 19 7 66 38 1]
 [27 0 21 19 44 49 1]
 [11 0 15 11 19 25 13]]

Información Conjunto Validation

	precision	recall	f1-score	support
angry	0.49	0.38	0.43	77
disgust	0.00	0.00	0.00	23
fear	0.08	0.11	0.10	44
happy	0.46	0.44	0.45	63
neutral	0.29	0.39	0.33	82
sad	0.19	0.30	0.23	69
surprise	0.36	0.07	0.12	54
accuracy			0.29	412
macro avg	0.27	0.24	0.24	412
weighted avg	0.31	0.29	0.28	412

Confussion matrix:
[[29 0 4 15 18 11 0]
 [3 0 2 1 8 9 0]
 [6 0 5 5 9 14 5]
 [6 0 6 28 8 15 0]
 [3 0 14 4 32 28 1]
 [7 0 9 4 27 21 1]
 [5 0 21 4 8 12 4]]
FIN PROCESADO

Simulación: 2
INICIANDO PROCESADO. Tamaño de procesamiento: (71, 90)

INFORMACIÓN DATASET
Número de carpetas: 7
Número de clases: 7

Tamaño de la imagen: (71, 90)
Elementos procesados: 1303

DeepFace FER Metrics

Información Conjunto Completo

	precision	recall	f1-score	support
angry	0.48	0.40	0.44	255
disgust	0.50	0.01	0.03	75
fear	0.12	0.17	0.14	122
happy	0.52	0.48	0.50	247
neutral	0.28	0.41	0.33	226
sad	0.23	0.32	0.27	230
surprise	0.36	0.11	0.17	148
accuracy			0.33	1303
macro avg	0.36	0.27	0.27	1303
weighted avg	0.36	0.33	0.32	1303

Confussion matrix:
[[103 1 24 38 45 35 9]
 [11 1 8 13 20 18 4]
 [18 0 21 14 26 31 12]
 [19 0 16 119 48 43 2]
 [15 0 37 10 92 70 2]
 [34 0 29 24 69 73 1]
 [14 0 39 12 24 42 17]]

Información Conjunto Train

	precision	recall	f1-score	support
angry	0.48	0.43	0.45	178
disgust	1.00	0.02	0.04	52
fear	0.14	0.21	0.17	78
happy	0.53	0.50	0.51	184
neutral	0.28	0.42	0.34	144
sad	0.25	0.30	0.27	161

surprise	0.36	0.14	0.20	94

accuracy			0.34	891
macro avg	0.43	0.29	0.28	891
weighted avg	0.40	0.34	0.34	891

Confussion matrix:
```
[[76  0 19 25 26 24  8]
 [ 8  1  5 12 11 11  4]
 [12  0 16 10 17 16  7]
 [14  0  9 92 40 27  2]
 [12  0 23  6 61 41  1]
 [27  0 20 21 44 48  1]
 [10  0 19  8 16 28 13]]
```

Información Conjunto Validation

	precision	recall	f1-score	support
angry	0.49	0.35	0.41	77
disgust	0.00	0.00	0.00	23
fear	0.08	0.11	0.09	44
happy	0.48	0.43	0.45	63
neutral	0.28	0.38	0.32	82
sad	0.21	0.36	0.27	69
surprise	0.36	0.07	0.12	54

accuracy			0.29	412
macro avg	0.27	0.24	0.24	412
weighted avg	0.31	0.29	0.28	412

Confussion matrix:
```
[[27  1  5 13 19 11  1]
 [ 3  0  3  1  9  7  0]
 [ 6  0  5  4  9 15  5]
 [ 5  0  7 27  8 16  0]
 [ 3  0 14  4 31 29  1]
 [ 7  0  9  3 25 25  0]
 [ 4  0 20  4  8 14  4]]
```
FIN PROCESADO

Simulación: 3
INICIANDO PROCESADO. Tamaño de procesamiento: (35, 45)

INFORMACIÓN DATASET
Número de carpetas: 7
Número de clases: 7

Tamaño de la imagen: (35, 45)
Elementos procesados: 1303

DeepFace FER Metrics

Información Conjunto Completo

	precision	recall	f1-score	support
angry	0.49	0.38	0.43	255
disgust	0.00	0.00	0.00	75
fear	0.13	0.19	0.15	122
happy	0.48	0.47	0.47	247
neutral	0.30	0.41	0.35	226
sad	0.26	0.38	0.31	230
surprise	0.37	0.12	0.18	148
accuracy			0.33	1303
macro avg	0.29	0.28	0.27	1303
weighted avg	0.34	0.33	0.32	1303

Confussion matrix:
[[96 1 25 40 44 39 10]
 [14 0 10 12 19 18 2]
 [14 0 23 14 24 35 12]
 [18 0 19 115 46 47 2]
 [10 0 40 14 93 66 3]
 [26 0 28 28 59 87 2]
 [17 0 35 16 24 38 18]]

Información Conjunto Train

	precision	recall	f1-score	support
angry	0.47	0.39	0.43	178
disgust	0.00	0.00	0.00	52
fear	0.15	0.22	0.18	78
happy	0.49	0.47	0.48	184
neutral	0.28	0.42	0.34	144
sad	0.30	0.37	0.33	161

```
   surprise     0.32     0.13     0.18        94

   accuracy                       0.34       891
  macro avg     0.29     0.29     0.28       891
weighted avg    0.34     0.34     0.33       891
```

Confussion matrix:
```
[[69  0 19 28 30 23  9]
 [11  0  7 10 11 11  2]
 [10  0 17 10 15 18  8]
 [13  0 12 87 40 30  2]
 [ 9  0 27 11 61 34  2]
 [22  0 16 22 40 59  2]
 [12  0 18 11 18 23 12]]
```

Información Conjunto Validation
```
        precision   recall f1-score  support

   angry     0.55     0.35     0.43        77
  disgust    0.00     0.00     0.00        23
    fear     0.09     0.14     0.11        44
   happy     0.47     0.44     0.46        63
  neutral    0.34     0.39     0.36        82
    sad      0.21     0.41     0.28        69
  surprise   0.50     0.11     0.18        54

  accuracy                     0.31       412
 macro avg   0.31     0.26     0.26       412
weighted avg 0.35     0.31     0.30       412
```

Confussion matrix:
```
[[27  1  6 12 14 16  1]
 [ 3  0  3  2  8  7  0]
 [ 4  0  6  4  9 17  4]
 [ 5  0  7 28  6 17  0]
 [ 1  0 13  3 32 32  1]
 [ 4  0 12  6 19 28  0]
 [ 5  0 17  5  6 15  6]]
```
FIN PROCESADO

Simulación: 4
INICIANDO PROCESADO. Tamaño de procesamiento: (17, 22)

INFORMACIÓN DATASET
Número de carpetas: 7
Número de clases: 7

Tamaño de la imagen: (17, 22)
Elementos procesados: 1303

DeepFace FER Metrics

Información Conjunto Completo

	precision	recall	f1-score	support
angry	0.40	0.23	0.29	255
disgust	0.50	0.01	0.03	75
fear	0.09	0.14	0.11	122
happy	0.43	0.30	0.35	247
neutral	0.22	0.36	0.28	226
sad	0.20	0.33	0.25	230
surprise	0.26	0.09	0.14	148
accuracy			0.25	1303
macro avg	0.30	0.21	0.21	1303
weighted avg	0.30	0.25	0.24	1303

Confussion matrix:
[[59 0 38 29 53 63 13]
 [7 1 11 12 25 17 2]
 [12 1 17 9 38 31 14]
 [15 0 24 75 61 69 3]
 [17 0 31 12 82 79 5]
 [22 0 31 27 72 76 2]
 [16 0 30 12 36 40 14]]

Información Conjunto Train

	precision	recall	f1-score	support
angry	0.40	0.25	0.30	178
disgust	1.00	0.02	0.04	52
fear	0.10	0.17	0.13	78
happy	0.43	0.32	0.36	184
neutral	0.22	0.38	0.27	144
sad	0.24	0.33	0.28	161

	precision	recall	f1-score	support
surprise	0.27	0.12	0.16	94
accuracy			0.26	891
macro avg	0.38	0.22	0.22	891
weighted avg	0.34	0.26	0.26	891

Confussion matrix:
```
[[44  0 28 23 35 36 12]
 [ 4  1  5 10 16 14  2]
 [ 9  0 13  5 27 14 10]
 [14  0 17 58 49 44  2]
 [12  0 24 11 54 40  3]
 [17  0 24 19 47 53  1]
 [11  0 18  9 23 22 11]]
```

Información Conjunto Validation

	precision	recall	f1-score	support
angry	0.41	0.19	0.26	77
disgust	0.00	0.00	0.00	23
fear	0.08	0.09	0.08	44
happy	0.41	0.27	0.33	63
neutral	0.24	0.34	0.28	82
sad	0.15	0.33	0.21	69
surprise	0.25	0.06	0.09	54
accuracy			0.22	412
macro avg	0.22	0.18	0.18	412
weighted avg	0.25	0.22	0.21	412

Confussion matrix:
```
[[15  0 10  6 18 27  1]
 [ 3  0  6  2  9  3  0]
 [ 3  1  4  4 11 17  4]
 [ 1  0  7 17 12 25  1]
 [ 5  0  7  1 28 39  2]
 [ 5  0  7  8 25 23  1]
 [ 5  0 12  3 13 18  3]]
```
FIN PROCESADO
--- FIN SIMULACIÓN ---