Tratamiento

Comparación promedios de mantener (E.S)
Comparación promedio de mantener, primer bloque (E.S)
Comparación diferencias de mantener promedio de Bloque_CON menos Bloque_SIN (I.S)

Gap

Comparación de mantener promedios (E.S)
Comparación de mantener promedio primer bloque (E.S)

Modelo - GLMM

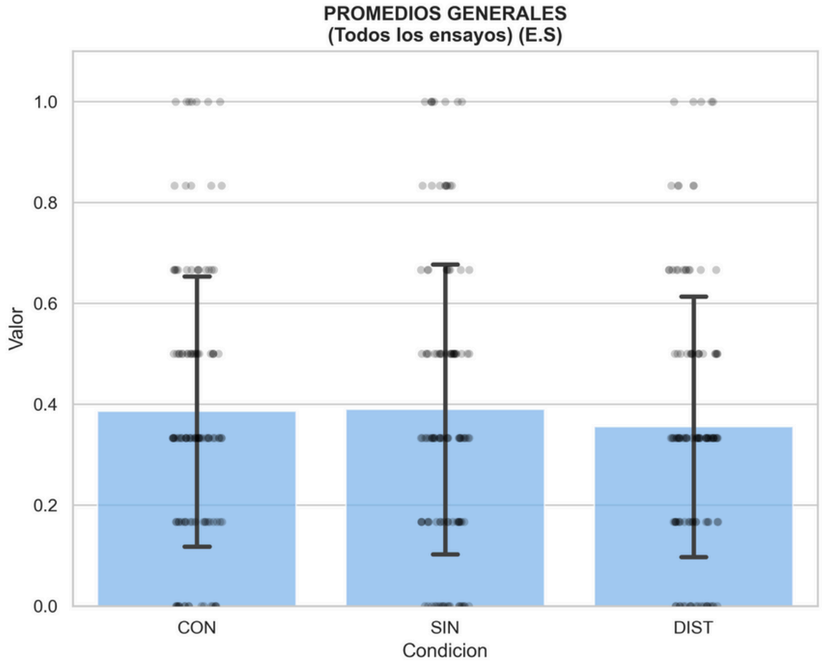
1. Mantiene ~ C(Tratamiento) * Gap_Size
2. Mantiene ~ C(Tratamiento) * Gap_Size + C(Genero) + NDC_Score + SDO_Score

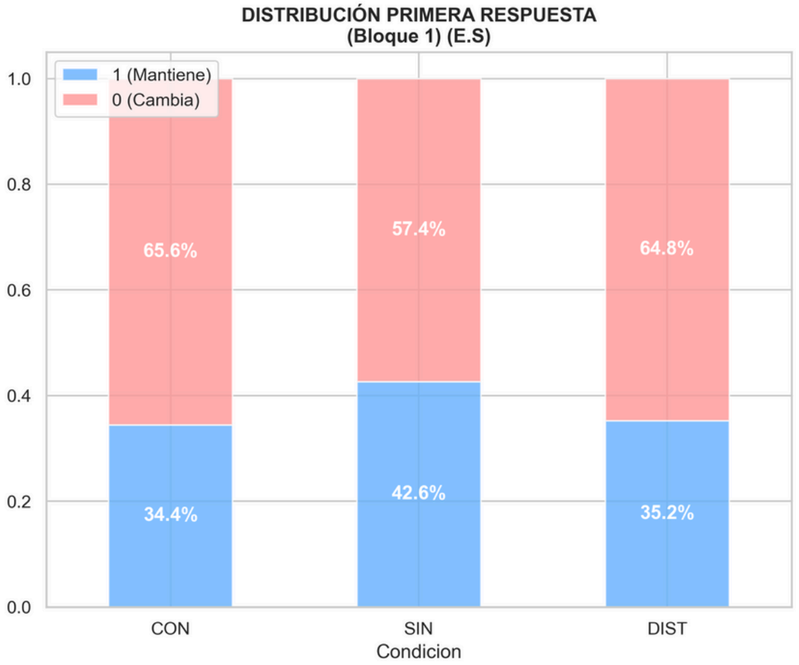
Modelo - GLMM - filtr4ndo l4s expect4tivos = 0 (neutro)

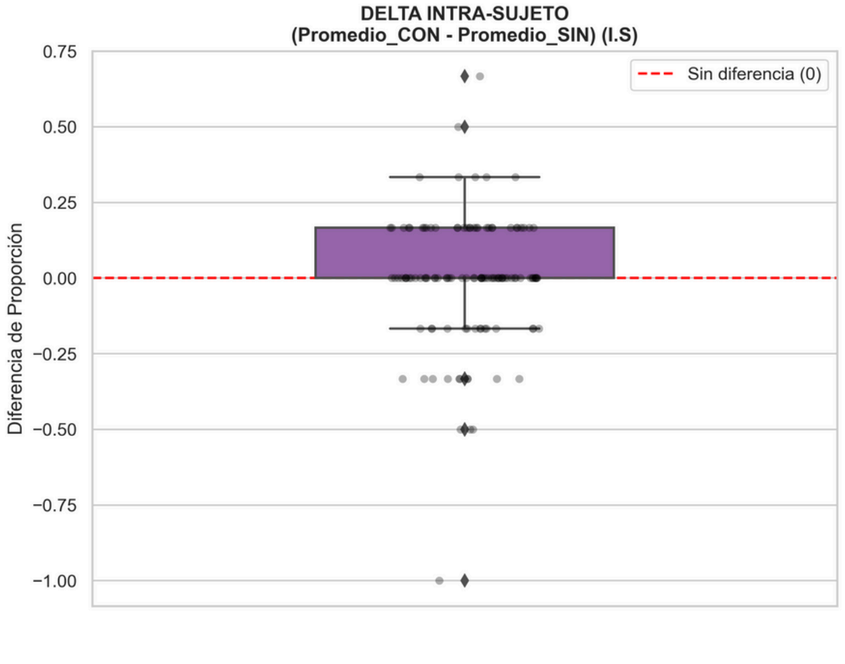
1. Mantiene ~ C(Tratamiento) * Gap_Size
2. Mantiene ~ C(Tratamiento) * Gap_Size + C(Genero) + NDC_Score + SDO_Score

Modelo - GLMM - filtr4ndo l4s expect4tivos = 0 (neutro) y filtr4ndo por HIGH NDC (>Medi4n4)

1. Mantiene ~ C(Tratamiento) * Gap_Size
2. Mantiene ~ C(Tratamiento) * Gap_Size + C(Genero) + NDC_Score + SDO_Score







--- TABLA 1: PROMEDIOS GENERALES (E.S) ---

Condicion	count	mean	std
CON	121	0.386	0.268
SIN	121	0.390	0.288
DIST	121	0.355	0.258

--- TABLA 2: PRIMERA RESPUESTA (Bloque 1) (E.S) ---

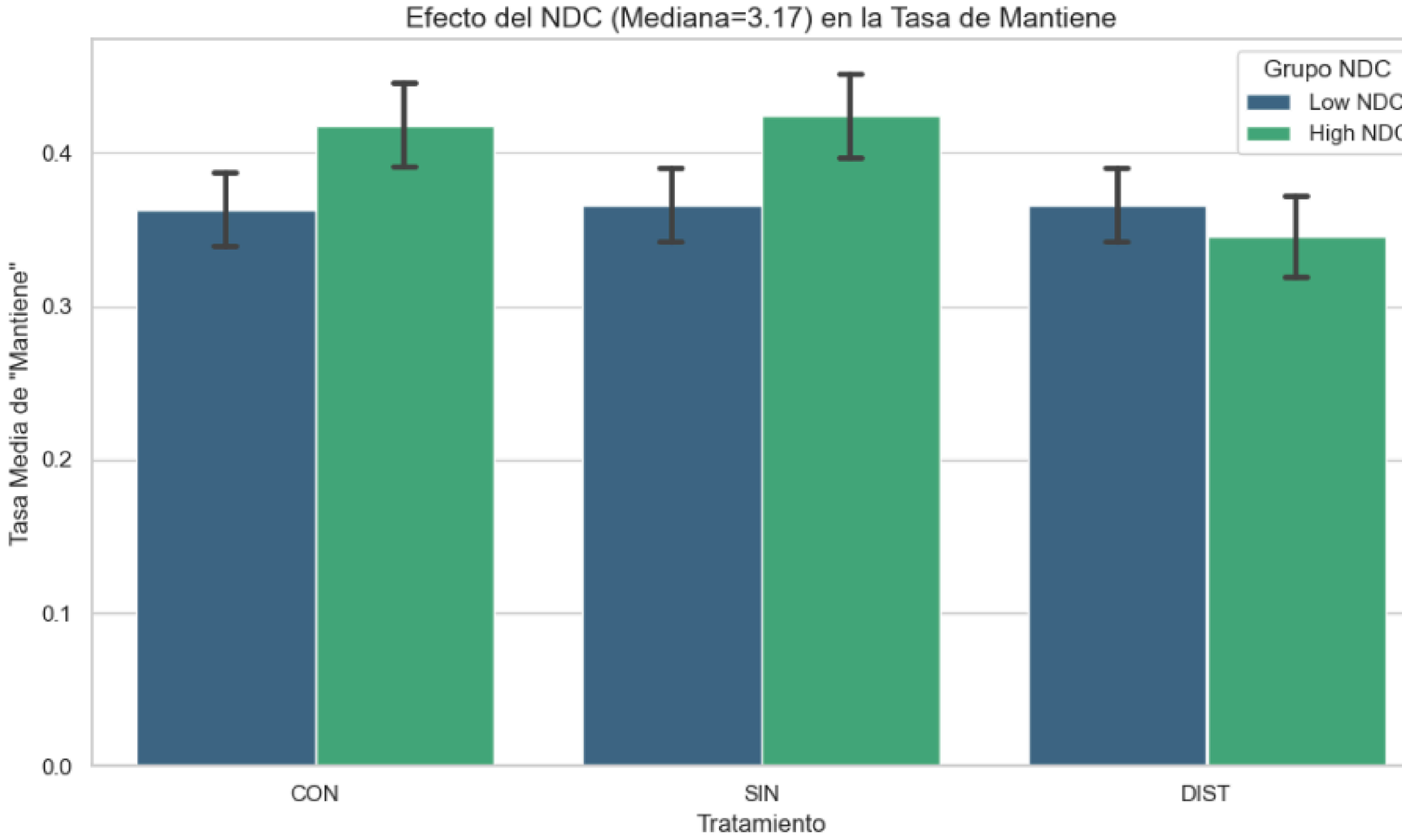
Mantiene	0	1	%_Mantiene
Condicion			
CON	80	42	34.43
SIN	70	52	42.62
DIST	79	43	35.25

--- TABLA 3: ANÁLISIS DEL DELTA (CON - SIN) (

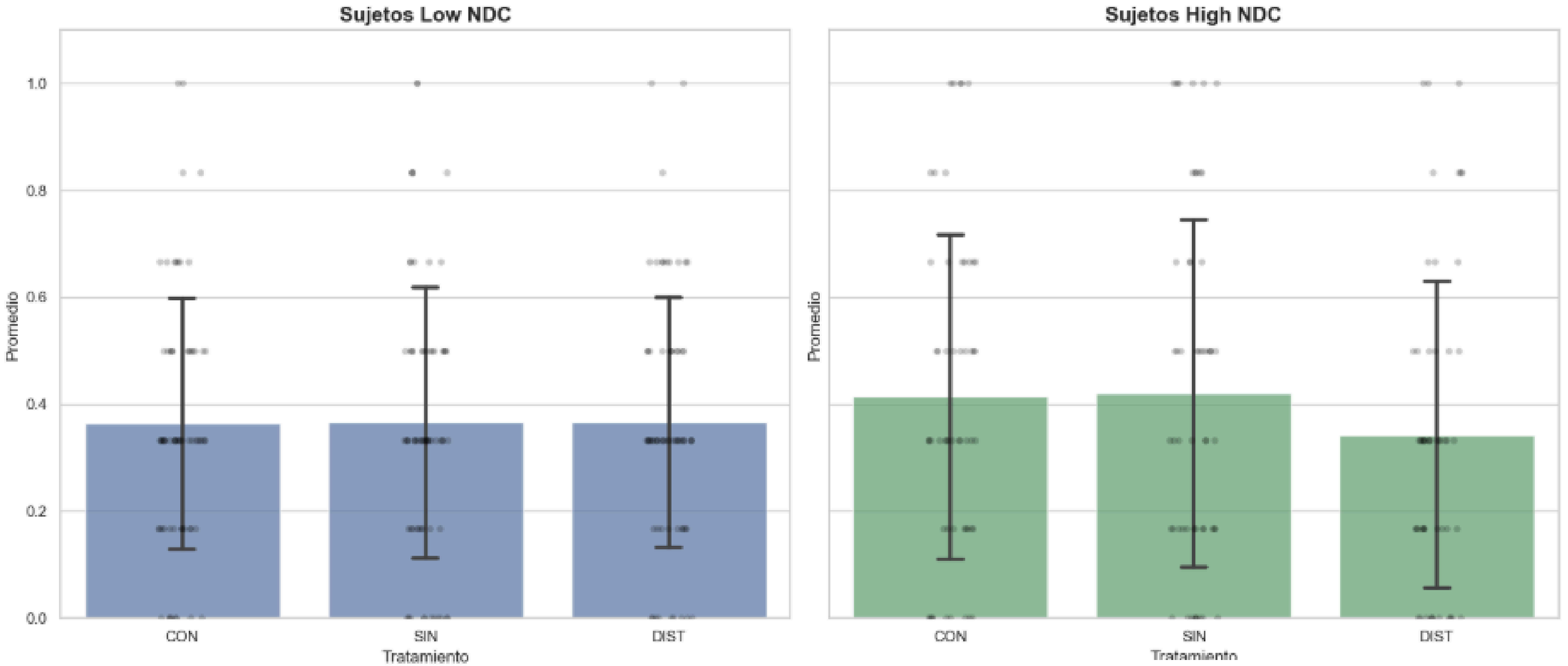
count	121.000
mean	-0.004
std	0.211
median	0.000
min	-1.000
max	0.667

Primera vista - comparación bruta: la gente elige mantiene mas en condición SIN? Vemos comop se comporta en grupos de NDC alto y de expectativ4s adecuad4s

La gente con m4yor NDC m4ntiene m4s en gener4l



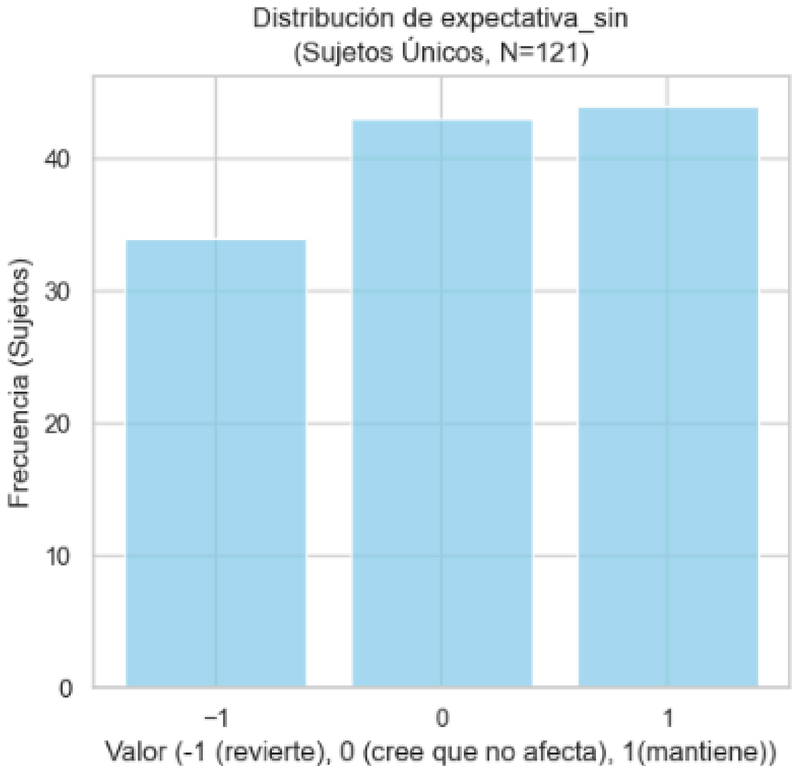
	Condicion	NDC_Group	count	mean	std
0	CON	High NDC	330	0.418	0.494
1	CON	Low NDC	402	0.363	0.482
2	DIST	High NDC	330	0.345	0.476
3	DIST	Low NDC	402	0.366	0.482
4	SIN	High NDC	330	0.424	0.495
5	SIN	Low NDC	402	0.366	0.482

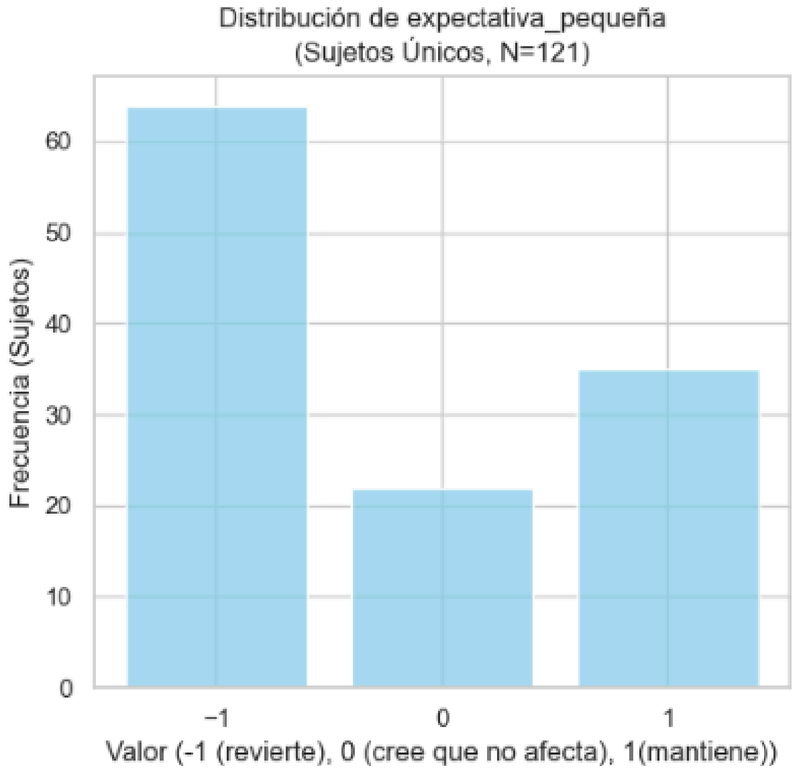


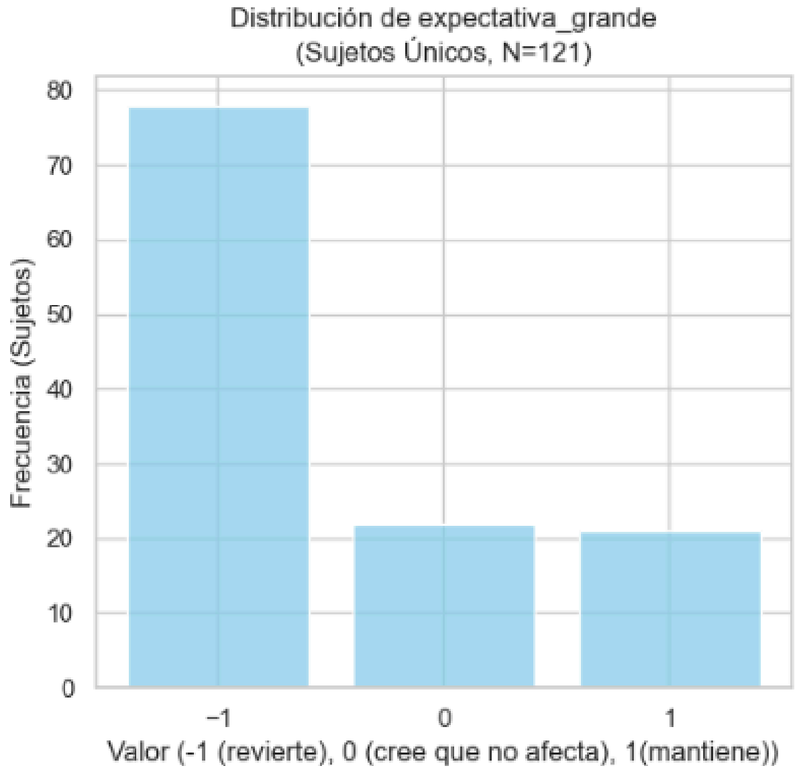
L4 gente con m4yor NDC m4ntiene m4s en los tres tr4t4mientos.

=== TABLA DE DATOS: PROMEDIOS POR GRUPO NDC ===

Grupo NDC	Tratamiento	N (Sujetos)	Media	Desv. Estándar
High NDC	CON	54	0.414	0.303
High NDC	DIST	54	0.343	0.287
High NDC	SIN	54	0.420	0.325
Low NDC	CON	67	0.363	0.236
Low NDC	DIST	67	0.366	0.234
Low NDC	SIN	67	0.366	0.253



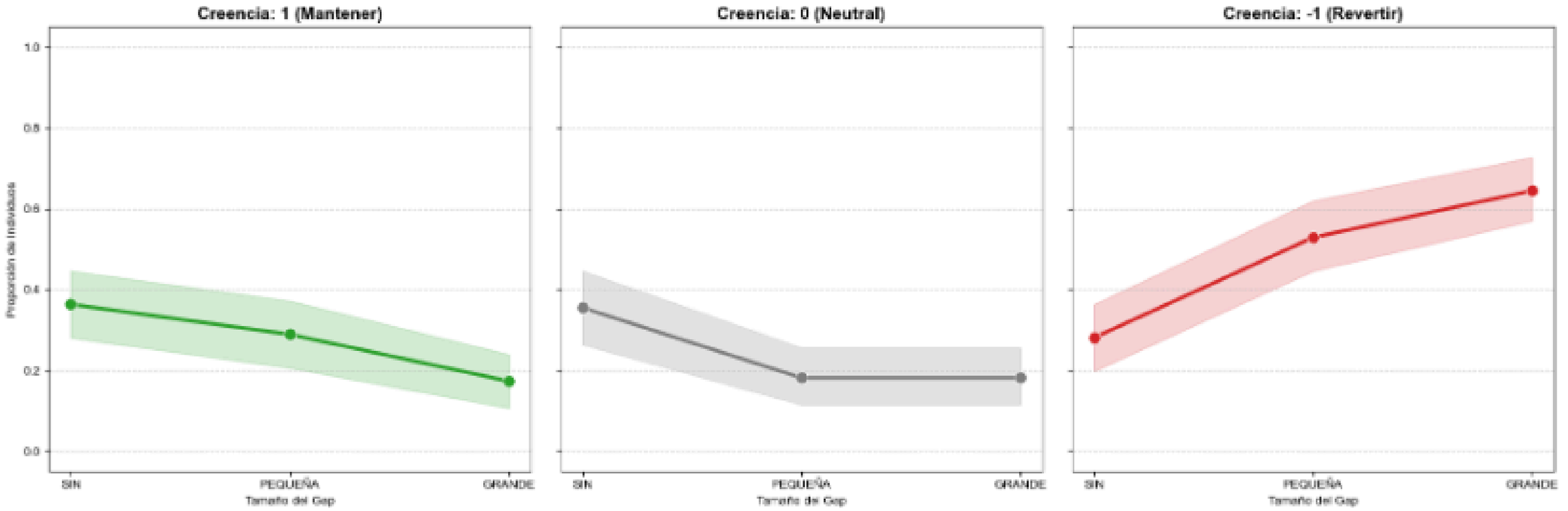




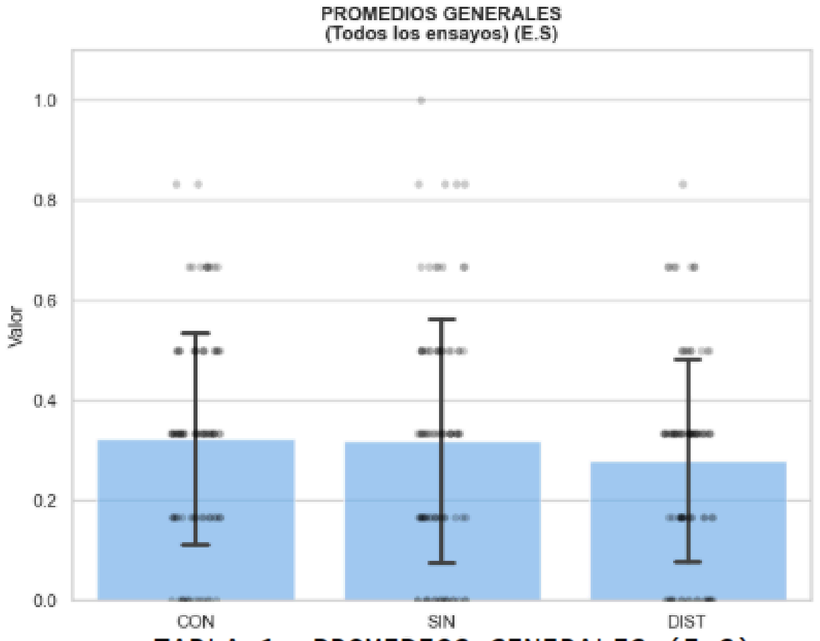
Vamos a estudi4r l4 t4s4 de m4ntiene según l4 creenci4. Empez4ndo por s4c4r 4 l4 gente que cree que es indiferente (0)

Resumen de Expectativas (N Total = 121)

Opción	expectativa_sin	expectativa_pequeña	expectativa_grande
-1	34 (28.1%)	64 (52.9%)	78 (64.5%)
0	43 (35.5%)	22 (18.2%)	22 (18.2%)
1	44 (36.4%)	35 (28.9%)	21 (17.4%)

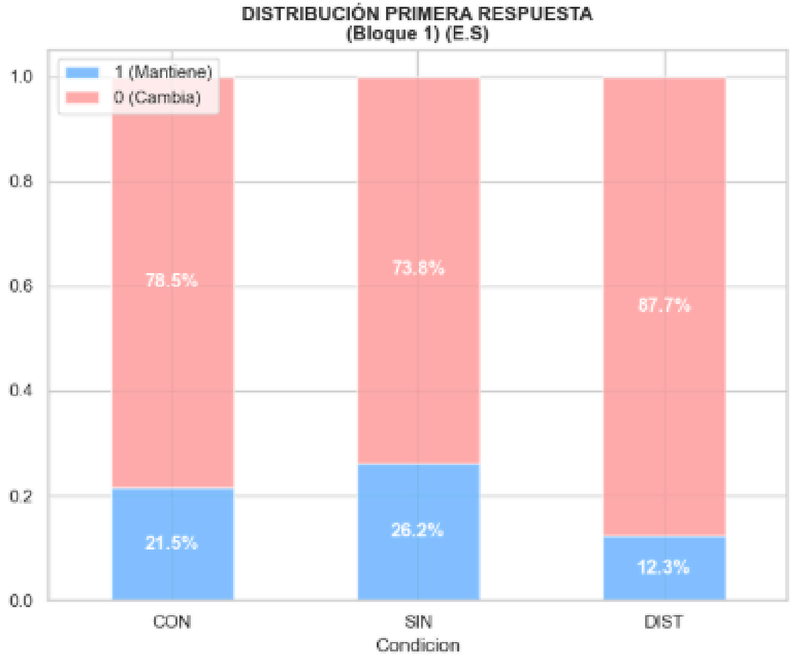


Escenario	Creencia	Cantidad	Proporción
SIN	1 (Mantener)	44	0.363636
PEQUEÑA	1 (Mantener)	35	0.289256
GRANDE	1 (Mantener)	21	0.173554
SIN	0 (Neutral)	43	0.355372
PEQUEÑA	0 (Neutral)	22	0.181818
GRANDE	0 (Neutral)	22	0.181818
SIN	-1 (Revertir)	34	0.280992
PEQUEÑA	-1 (Revertir)	64	0.528926
GRANDE	-1 (Revertir)	78	0.644628



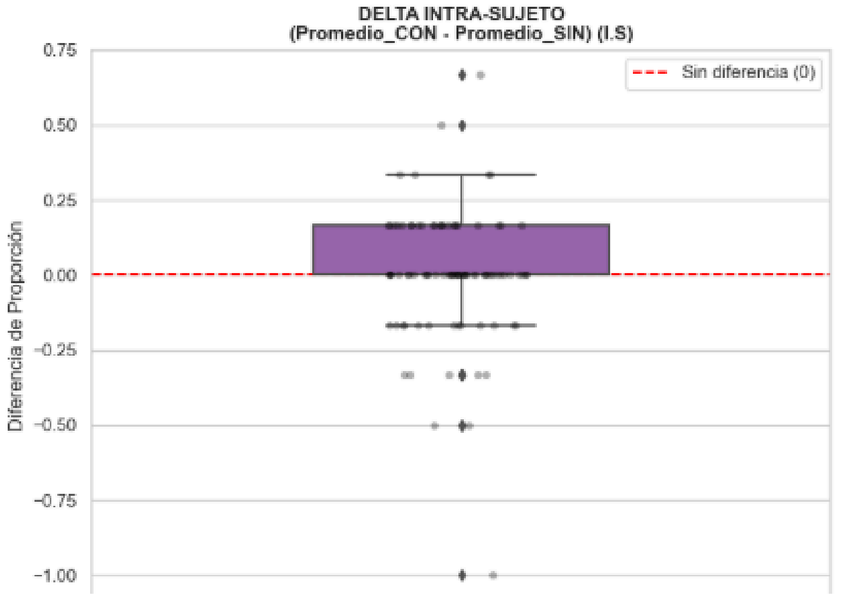
--- TABLA 1: PROMEDIOS GENERALES (E.S) ---

Condicion	count	mean	std
CON	89	0.322	0.211
SIN	89	0.318	0.243
DIST	89	0.279	0.202



--- TABLA 2: PRIMERA RESPUESTA (Bloque 1) (E.S

Mantiene	0	1	%_Mantiene
Condicion			
CON	51	14	21.54
SIN	48	17	26.15
DIST	57	8	12.31

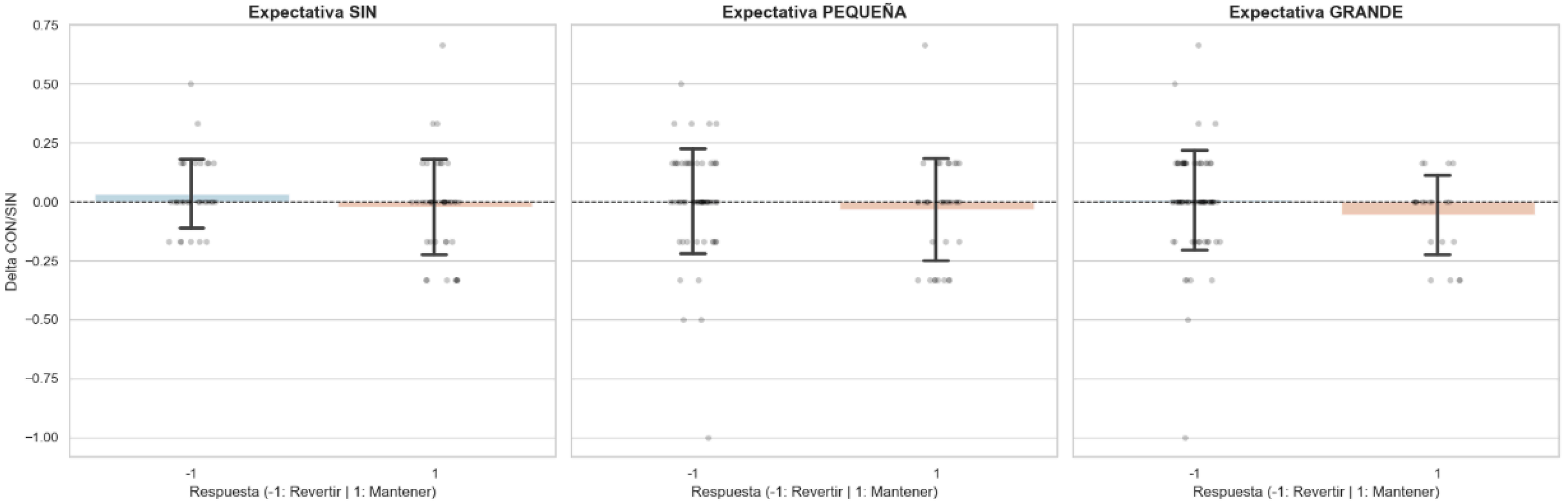


--- TABLA 3: ANÁLISIS DEL DELTA (CON - SIN)

count	89.000
mean	0.004
std	0.218
median	0.000
min	-1.000
max	0.667

Name: Delta_Mantiene, dtype: float64

s4c4ndo 4 l4 gente que cree que es indiferente (0), se 4chic4n l4s t4s4s de m4ntiene



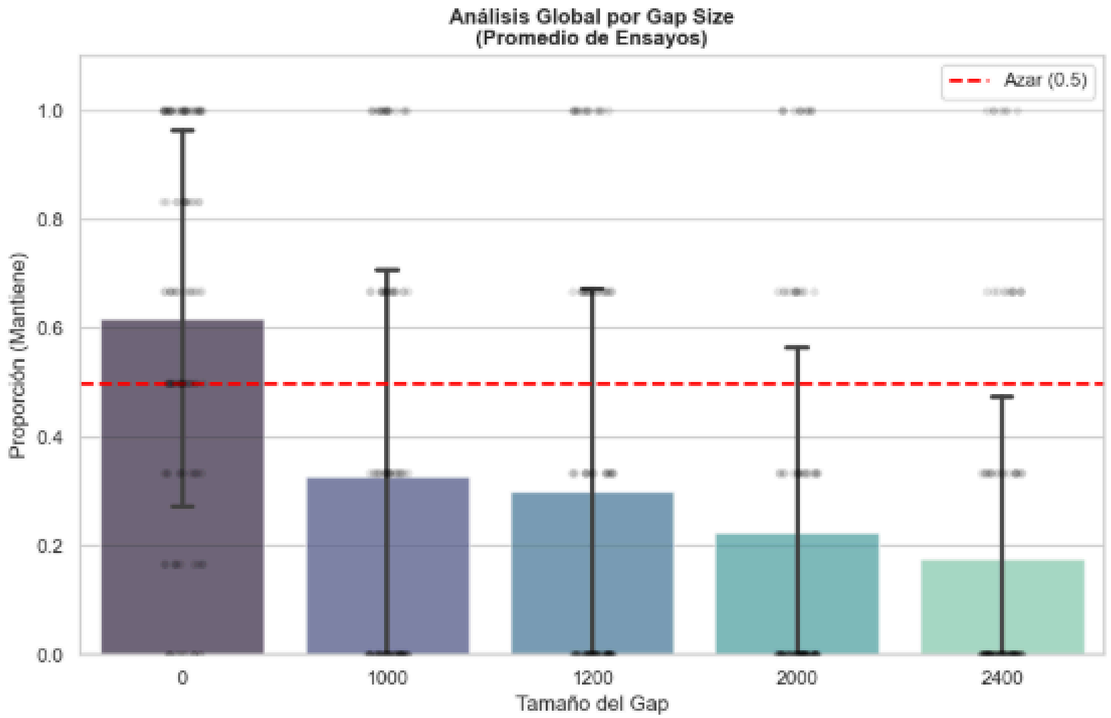
L4 diferenci4 de CON-SIN es m4s neg4tiv4 a medid4 que 4ument4 el gap.

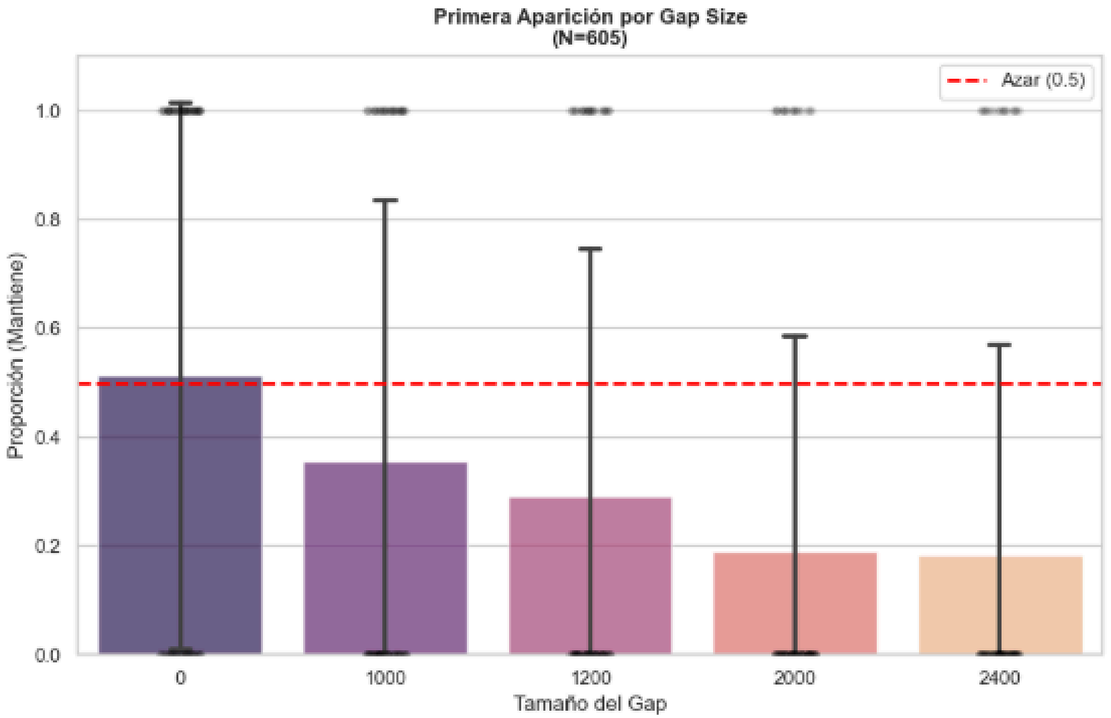
```
--- TABLAS DE RESULTADOS: DELTA CON/SIN POR EXPECTATIVA ---

Expectativa SIN:
 Respuesta  N  Media Delta  Desv. Estándar
        -1 34        0.034           0.147
         1 44       -0.023           0.202

Expectativa PEQUEÑA:
 Respuesta  N  Media Delta  Desv. Estándar
        -1 64        0.003           0.221
         1 35       -0.033           0.217

Expectativa GRANDE:
 Respuesta  N  Media Delta  Desv. Estándar
        -1 78        0.006           0.212
         1 21       -0.056           0.169
```



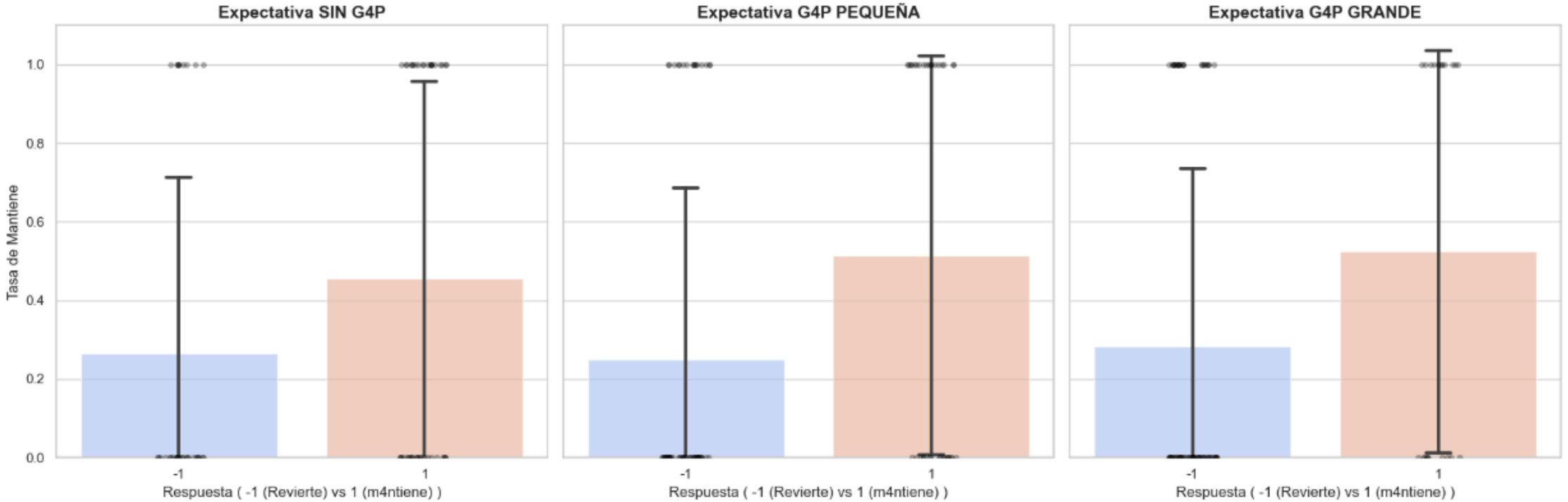


El gap fin4l condicion4 l4 t4s4 de m4ntiene

```
--- TABLA 1: PROMEDIO GLOBAL POR GAP VS AZAR ---
 Gap  count  mean   std  Diff_vs_50%
   0    121 0.617 0.346        0.117
1000    121 0.328 0.378       -0.172
1200    121 0.300 0.371       -0.200
2000    121 0.223 0.340       -0.277
2400    121 0.176 0.298       -0.324

--- TABLA 2: PRIMERA APARICIÓN POR GAP VS AZAR ---
 Gap_Size  count  mean   std  Diff_vs_50%
        0    121 0.512 0.502        0.012
     1000    121 0.355 0.481       -0.145
     1200    121 0.289 0.455       -0.211
     2000    121 0.190 0.394       -0.310
     2400    121 0.182 0.387       -0.318
```

Análisis Global por Gap Size



En los grupos #ue creen #ue “m4ntener” va a aumentar la cooper4ción, se m4ntiene m4s

```
--- TABLAS RESUMEN DE EXPECTATIVAS ---

Expectativa SIN G4P:
 Valor  N  Media    SD
    -1 34  0.265 0.448
     1 44  0.455 0.504

Expectativa G4P PEQUEÑA:
 Valor  N  Media    SD
    -1 64  0.250 0.436
     1 35  0.514 0.507

Expectativa G4P GRANDE:
 Valor  N  Media    SD
    -1 78  0.282 0.453
     1 21  0.524 0.512
```

Modelo - GLMM

1. Mantiene ~ C(Tratamiento) * Gap_Size

--- MODELO 1: Tratamiento y Gap ---

	coef	std err	z	P>|z|	[0.025	0.975]
Intercept	0.3501	0.144	2.428	0.015	0.067	0.633
C(Tratamiento)[T.Bloque_CON]	0.1240	0.131	0.944	0.345	-0.133	0.382
C(Tratamiento)[T.Dist]	-0.0015	0.127	-0.011	0.991	-0.251	0.248
Gap_Size	-0.0007	0.000	-6.812	0.000	-0.001	-0.001
C(Tratamiento)[T.Bloque_CON]:Gap_Size	-0.0002	0.000	-1.489	0.137	-0.000	5.22e-05
C(Tratamiento)[T.Dist]:Gap_Size	-0.0002	0.000	-1.864	0.062	-0.000	9.57e-06

Skew:	0.4032	Kurtosis:	-1.2746
Centered skew:	0.2298	Centered kurtosis:	-0.6811

Modelo - GLMM

2. Mantiene ~ C(Tratamiento) * Gap_Size + C(Genero) + NDC_Score + SDO_Score

--- MODELO 2: Con Controles ---

	coef	std err	z	P>|z|	[0.025	0.975]
Intercept	0.9442	0.913	1.034	0.301	-0.846	2.734
C(Tratamiento)[T.Bloque_CON]	0.1248	0.132	0.943	0.346	-0.134	0.384
C(Tratamiento)[T.Dist]	-0.0016	0.128	-0.012	0.990	-0.253	0.250
C(Genero)[T.Mujer]	0.1376	0.233	0.590	0.555	-0.319	0.594
Gap_Size	-0.0007	0.000	-6.846	0.000	-0.001	-0.001
C(Tratamiento)[T.Bloque_CON]:Gap_Size	-0.0002	0.000	-1.488	0.137	-0.000	5.27e-05
C(Tratamiento)[T.Dist]:Gap_Size	-0.0002	0.000	-1.864	0.062	-0.000	9.71e-06
NDC_Score	0.0944	0.218	0.433	0.665	-0.333	0.521
SDO_Score	-0.3282	0.238	-1.382	0.167	-0.794	0.137

Skew:	0.3946	Kurtosis:	-1.2608
Centered skew:	0.2312	Centered kurtosis:	-0.6823

```
--- MODELO 1: Tratamiento y Gap ---
                               GEE Regression Results
==============================================================================
Dep. Variable:                Mantiene   No. Observations:                 2142
Model:                            GEE   No. clusters:                      118
Method:                    Generalized   Min. cluster size:                 18
                  Estimating Equations   Max. cluster size:                 36
Family:                       Binomial   Mean cluster size:               18.2
Dependence structure:      Independence   Num. iterations:                    2
Date:                  Mon, 26 Jan 2026   Scale:                         1.000
Covariance type:                robust   Time:                         22:10:58
------------------------------------------------------------------------------
```

```
--- MODELO 2: Con Controles ---
                               GEE Regression Results
==============================================================================
Dep. Variable:                Mantiene   No. Observations:                 2142
Model:                            GEE   No. clusters:                      118
Method:                    Generalized   Min. cluster size:                 18
                  Estimating Equations   Max. cluster size:                 36
Family:                       Binomial   Mean cluster size:               18.2
Dependence structure:      Independence   Num. iterations:                    2
Date:                  Mon, 26 Jan 2026   Scale:                         1.000
Covariance type:                robust   Time:                         22:10:58
==============================================================================
```

Modelo - GLMM - filtr4ndo l4s expect4tiv4s = 0 (neutro)

1. Mantiene ~ C(Tratamiento) * Gap_Size

```
--- MODELO 1: Tratamiento y Gap ---
                                            ==========================================
                                  coef    std err          z      P>|z|      [0.025      0.975]
------------------------------------------------------------------------------------------------
Intercept                       0.1873      0.184      1.020      0.308      -0.172       0.547
C(Tratamiento)[T.Bloque_CON]    0.1968      0.154      1.282      0.200      -0.104       0.498
C(Tratamiento)[T.Dist]          0.0105      0.153      0.069      0.945      -0.289       0.310
Gap_Size                       -0.0007      0.000     -5.423      0.000      -0.001      -0.000
C(Tratamiento)[T.Bloque_CON]:Gap_Size    -0.0002      0.000     -1.864      0.062      -0.000    1.24e-05
C(Tratamiento)[T.Dist]:Gap_Size          -0.0002      0.000     -1.405      0.160      -0.000    6.97e-05
==============================================================================
Skew:                          0.5782   Kurtosis:                      -1.1312
Centered skew:                 0.2567   Centered kurtosis:             -0.3620
```

Modelo - GLMM - filtr4ndo l4s expect4tiv4s = 0 (neutro)

2. Mantiene ~ C(Tratamiento) * Gap_Size + C(Genero) + NDC_Score + SDO_Score

--- MODELO 2: Con Controles ---

	coef	std err	z	P>|z|	[0.025	0.975]
Intercept	0.0475	0.899	0.053	0.958	-1.715	1.810
C(Tratamiento)[T.Bloque_CON]	0.2000	0.157	1.276	0.202	-0.107	0.507
C(Tratamiento)[T.Dist]	0.0095	0.156	0.061	0.951	-0.296	0.315
C(Genero)[T.Mujer]	0.2361	0.284	0.830	0.407	-0.321	0.794
Gap_Size	-0.0007	0.000	-5.432	0.000	-0.001	-0.000
C(Tratamiento)[T.Bloque_CON]:Gap_Size	-0.0002	0.000	-1.861	0.063	-0.001	1.3e-05
C(Tratamiento)[T.Dist]:Gap_Size	-0.0002	0.000	-1.399	0.162	-0.000	7.14e-05
NDC_Score	0.4687	0.236	1.986	0.047	0.006	0.931
SDO_Score	-0.5065	0.265	-1.910	0.056	-1.026	0.013

Skew:	0.5621	Kurtosis:	-1.0803
Centered skew:	0.2671	Centered kurtosis:	-0.3713

```
--- MODELO 1: Tratamiento y Gap ---
                          GEE Regression Results
==============================================================================
Dep. Variable:                   Mantiene   No. Observations:                 1620
Model:                              GEE     No. clusters:                      108
Method:                      Generalized    Min. cluster size:                   6
                    Estimating Equations    Max. cluster size:                  30
Family:                         Binomial    Mean cluster size:                15.0
Dependence structure:       Independence    Num. iterations:                     2
Date:                   Mon, 26 Jan 2026    Scale:                           1.000
Covariance type:                 robust     Time:                         22:11:02
==============================================================================
```

```
--- MODELO 2: Con Controles ---
                          GEE Regression Results
==============================================================================
Dep. Variable:                   Mantiene   No. Observations:                 1620
Model:                              GEE     No. clusters:                      108
Method:                      Generalized    Min. cluster size:                   6
                    Estimating Equations    Max. cluster size:                  30
Family:                         Binomial    Mean cluster size:                15.0
Dependence structure:       Independence    Num. iterations:                     2
Date:                   Mon, 26 Jan 2026    Scale:                           1.000
Covariance type:                 robust     Time:                         22:11:02
==============================================================================
```

Modelo - GLMM - filtr4ndo l4s expect4tivos = 0 (neutro) y filtr4ndo por HIGH NDC (>Medi4n4)

1. Mantiene ~ C(Tratamiento) * Gap_Size

--- MODELO 1: Tratamiento y Gap ---

	coef	std err	z	P>|z|	[0.025	0.975]
Intercept	0.1858	0.280	0.664	0.506	-0.362	0.734
C(Tratamiento)[T.Bloque_CON]	0.4058	0.236	1.723	0.085	-0.056	0.867
C(Tratamiento)[T.Dist]	-0.0760	0.216	-0.352	0.725	-0.499	0.347
Gap_Size	-0.0004	0.000	-2.699	0.007	-0.001	-0.000
C(Tratamiento)[T.Bloque_CON]:Gap_Size	-0.0005	0.000	-2.610	0.009	-0.001	-0.000
C(Tratamiento)[T.Dist]:Gap_Size	-0.0003	0.000	-1.364	0.173	-0.001	0.000

Skew:	0.4248	Kurtosis:	-1.4605
Centered skew:	0.1073	Centered kurtosis:	-0.0806

Modelo - GLMM - filtr4ndo l4s expect4tivos = 0 (neutro) y filtr4ndo por HIGH NDC (>Medi4n4)

2. Mantiene ~ C(Tratamiento) * Gap_Size + C(Genero) + NDC_Score + SDO_Score

--- MODELO 2: Con Controles ---

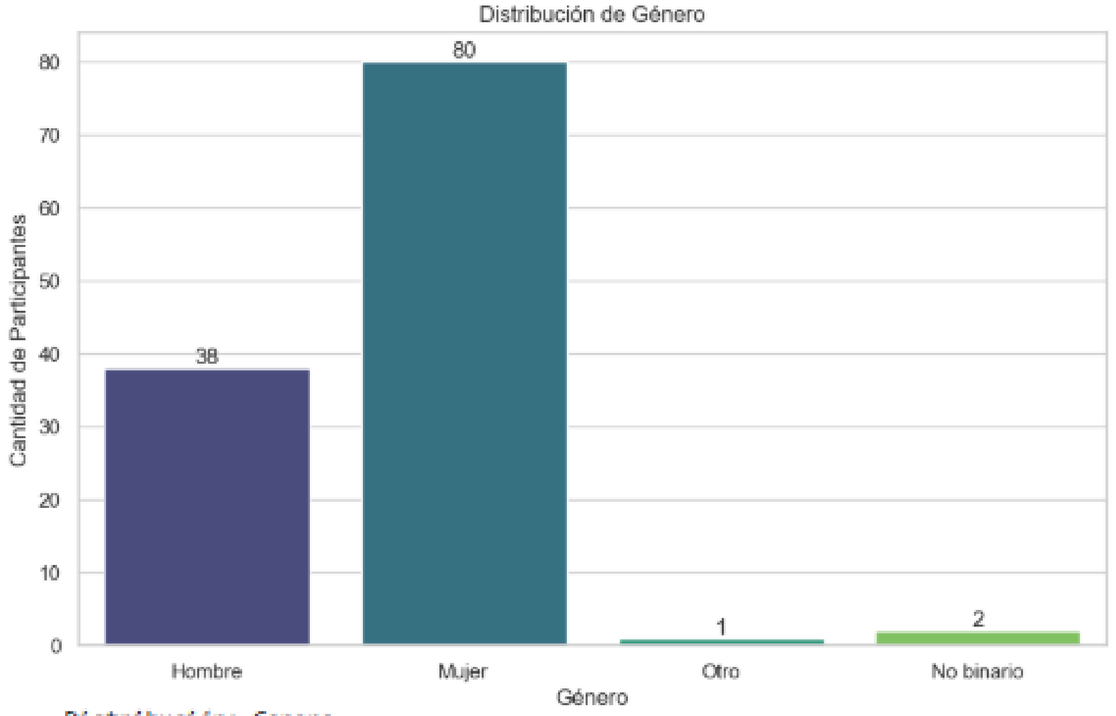
	coef	std err	z	P>|z|	[0.025	0.975]
Intercept	0.4528	1.412	0.321	0.748	-2.315	3.220
C(Tratamiento)[T.Bloque_CON]	0.4146	0.242	1.713	0.087	-0.060	0.889
C(Tratamiento)[T.Dist]	-0.0789	0.220	-0.358	0.720	-0.511	0.353
C(Genero)[T.Mujer]	0.3604	0.460	0.783	0.434	-0.542	1.263
Gap_Size	-0.0004	0.000	-2.689	0.007	-0.001	-0.000
C(Tratamiento)[T.Bloque_CON]:Gap_Size	-0.0005	0.000	-2.607	0.009	-0.001	-0.000
C(Tratamiento)[T.Dist]:Gap_Size	-0.0003	0.000	-1.353	0.176	-0.001	0.000
NDC_Score	0.3414	0.426	0.801	0.423	-0.494	1.177
SDO_Score	-0.5518	0.353	-1.565	0.118	-1.243	0.139

Skew:	0.4099	Kurtosis:	-1.3912
Centered skew:	0.1177	Centered kurtosis:	-0.0748

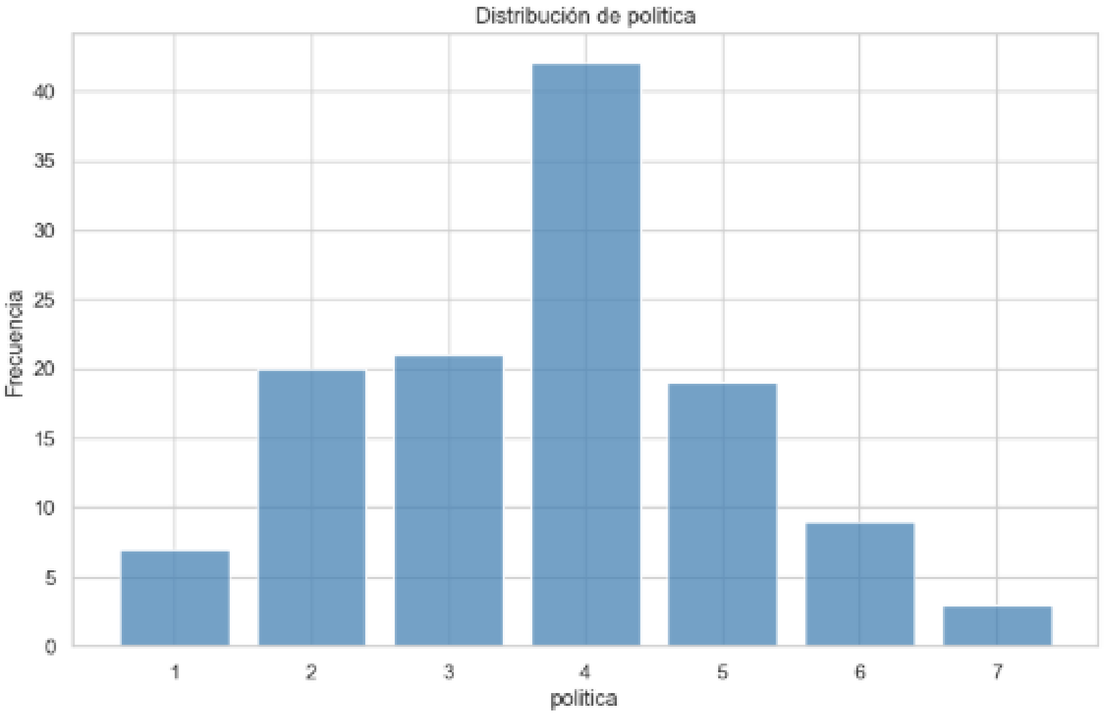
ojo, como l4 pobl4ción es t4n especific4, N=48

```
--- MODELO 1: Tratamiento y Gap ---
                               GEE Regression Results
==============================================================================
Dep. Variable:                   Mantiene   No. Observations:                  678
Model:                               GEE   No. clusters:                       48
Method:                       Generalized   Min. cluster size:                  6
                     Estimating Equations   Max. cluster size:                 18
Family:                         Binomial   Mean cluster size:               14.1
Dependence structure:       Independence   Num. iterations:                    2
Date:                   Tue, 27 Jan 2026   Scale:                         1.000
Covariance type:                  robust   Time:                         07:42:30
==============================================================================
```

```
--- MODELO 2: Con Controles ---
                               GEE Regression Results
==============================================================================
Dep. Variable:                   Mantiene   No. Observations:                  678
Model:                               GEE   No. clusters:                       48
Method:                       Generalized   Min. cluster size:                  6
                     Estimating Equations   Max. cluster size:                 18
Family:                         Binomial   Mean cluster size:               14.1
Dependence structure:       Independence   Num. iterations:                    2
Date:                   Tue, 27 Jan 2026   Scale:                         1.000
Covariance type:                  robust   Time:                         07:42:30
==============================================================================
```

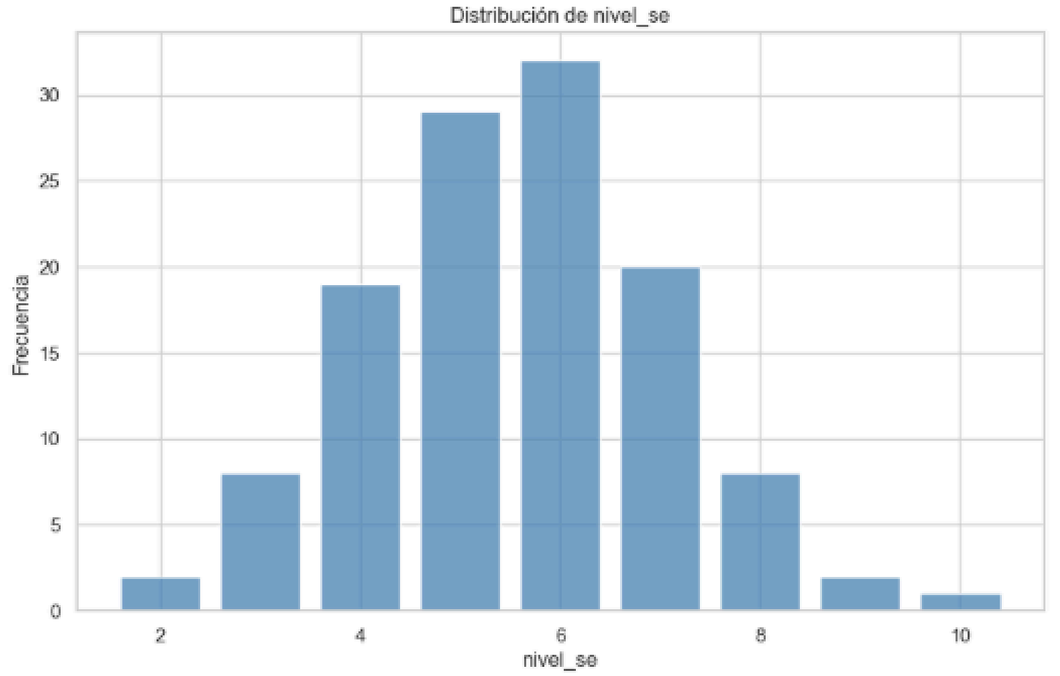



```
--- Distribución: Genero ---
Mujer          66.12%
Hombre          31.4%
No binario      1.65%
Otro            0.83%
Name: Genero, dtype: object
```




```
--- Estadísticas descriptivas: nivel_se ---
count    121.00
mean       5.56
std        1.50
min        2.00
25%        5.00
50%        6.00
75%        7.00
max       10.00
Name: nivel_se, dtype: float64
------------------------------
```

```
Name: nivel_se, dtype: float64
------------------------------
```




```
--- Estadísticas descriptivas: SDO_Score ---
count    121.00
mean       3.01
std        0.50
min        1.40
25%        2.80
50%        3.00
75%        3.30
max        5.00
Name: SDO_Score, dtype: float64
------------------------------
```