

Psychometric Examination of the Body, Eating, and Exercise Comparison Orientation Measure (BEECOM) among Spanish Adolescents and Young Adults

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Table S1

Results of Moderation Analyses Examining the Conditional Effects of BEECOM Scores on Overall Eating Disorders Symptoms

Independent variables	BEECOM-L									BEECOM-S								
	β (SE)	t	p	LLCI	ULCI	R^2	Interaction		β (SE)	t	p	LLCI	ULCI	R^2	Interaction		ΔR^2	p
							ΔR^2	p										
Model 1						.451	.005	.046						.438	.004	.074		
Constant	.723 (.026)	27.906	< .001	.673	.774				.724 (.026)	27.360	< .001	.672	.776					
Percentile-BMI	.128 (.013)	10.036	< .001	.103	.154				.131 (.013)	10.161	< .001	.106	.157					
PACS-R	.044 (.021)	2.148	.032	.004	.084				.053 (.021)	2.547	.011	.012	.094					
BEECOM (Total)	.375 (.032)	11.802	< .001	.313	.437				.362 (.033)	11.049	< .001	.298	.426					
Younger males vs Younger females (D ₁)	-.115 (.040)	-2.858	.004	-.194	-.036				-.125 (.041)	-3.092	.002	-.205	-.046					
Older females vs Younger females (D ₂)	-.137 (.033)	-4.122	< .001	-.202	-.072				-.131 (.034)	-3.876	< .001	-.197	-.065					
Older males vs Younger females (D ₃)	-.188 (.036)	-5.164	< .001	-.259	-.116				-.192 (.037)	-5.237	< .001	-.264	-.120					
BEECOM (Total) x D ₁	-.047 (.042)	-1.102	.271	-.129	.036				-.065 (.042)	-1.554	.121	-.147	.017					
BEECOM (Total) x D ₂	-.095 (.037)	-2.555	.011	-.168	-.022				-.089 (.038)	-2.365	.018	-.163	-.015					
BEECOM (Total) x D ₃	-.100 (.047)	-2.129	.033	-.191	-.008				-.099 (.049)	-2.028	.043	-.195	-.003					
Model 2						.456	.004	.065						.444	.003	.159		
Constant	.711 (.025)	27.980	< .001	.661	.760				.710 (.026)	27.566	< .001	.660	.761					
Percentile-BMI	.127 (.013)	9.775	< .001	.101	.152				.132 (.013)	10.162	< .001	.106	.157					
PACS-R	.031 (.022)	1.418	.156	-.012	.074				.042 (.021)	1.934	.053	-.001	.084					
BEECOM (Body)	.232 (.034)	6.916	< .001	.166	.298				.212 (.032)	6.541	< .001	.148	.275					
BEECOM (Eating)	.136 (.024)	5.577	< .001	.088	.184				.153 (.022)	6.833	< .001	.109	.197					
BEECOM (Exercise)	-.044 (.023)	1.911	.056	-.001	.090				.030 (.020)	1.538	.124	-.008	.069					
Younger males vs Younger females (D ₁)	-.084 (.041)	-2.043	.041	-.165	-.003				-.102 (.041)	-2.510	.012	-.182	-.022					
Older females vs Younger females (D ₂)	-.136 (.033)	-4.132	< .001	-.200	-.071				-.127 (.033)	-3.848	< .001	-.192	-.062					
Older males vs Younger females (D ₃)	-.163 (.037)	-4.400	< .001	-.236	-.090				-.165 (.037)	-4.439	< .001	-.239	-.092					
BEECOM (Body) x D ₁	-.032 (.043)	-0.744	.457	-.117	.053				-.038 (.042)	-0.908	.364	-.121	.044					
BEECOM (Body) x D ₂	-.092 (.035)	-2.633	.009	-.160	-.023				-.080 (.036)	-2.233	.026	-.150	-.010					
BEECOM (Body) x D ₃	-.062 (.043)	-1.427	.154	-.146	0.23				-.058 (.045)	-1.311	.190	-.146	.029					
Model 3						.458	.006	.043						.446	.005	.076		
Constant	.718 (.027)	26.933	< .001	.666	.771				.719 (.027)	26.671	< .001	.666	.772					
Percentile-BMI	.127 (.013)	9.805	< .001	.101	.152				.131 (.013)	10.168	< .001	.106	.157					

PACS-R	.029 (.022)	1.308	.191	-.014	.071	.038 (.022)	1.782	.075	-.004	.081
BEECOM (Body)	.178 (.025)	7.003	< .001	.128	.228	.165 (.023)	7.323	< .001	.121	.210
BEECOM (Eating)	.191 (.036)	5.272	< .001	.120	.262	.218 (.036)	6.028	< .001	.147	.289
BEECOM (Exercise)	.045 (.023)	1.982	.048	.000	.090	.030 (.020)	1.552	.121	-.008	.069
Younger males vs Younger females (D ₁)	-.088 (.0419)	-2.155	.031	-.169	-.008	-.110 (.040)	-2.748	.006	-.189	-.032
Older females vs Younger females (D ₂)	-.148 (.034)	-4.330	< .001	-.215	-.081	-.139 (.034)	-4.022	< .001	-.206	-.071
Older males vs Younger females (D ₃)	-.168 (.037)	-4.580	< .001	-.240	-.096	-.171 (.037)	-4.632	< .001	-.244	-.099
BEECOM (Eating) x D ₁	-.010 (.047)	-0.202	.840	-.102	.083	-.050 (.046)	-1.105	.270	-.140	.039
BEECOM (Eating) x D ₂	-.086 (.039)	-2.208	.027	-.162	-.010	-.098 (.040)	-2.437	.015	-.176	-.019
BEECOM (Eating) x D ₃	-.103 (.046)	-2.212	.027	-.194	-.012	-.096 (.049)	-1.958	.051	-.193	.000
Model 4						.456	.004	.090		.446 .004 .071
Constant	.720 (.027)	27.082	< .001	.668	.772	.720 (.027)	26.930	< .001	.668	.773
Percentile-BMI	.126 (.013)	9.730	< .001	.100	.151	.130 (.013)	10.039	< .001	.105	.155
PACS-R	.028 (.022)	1.268	.205	-.015	.070	.038 (.022)	1.788	.074	-.004	.081
BEECOM (Body)	.178 (.026)	6.956	< .001	.128	.228	.164 (.023)	7.294	< .001	.120	.209
BEECOM (Eating)	.135 (.024)	5.516	< .001	.087	.182	.151 (.022)	6.817	< .001	.108	.195
BEECOM (Exercise)	.113 (.036)	3.147	.002	.042	.183	.100 (.032)	3.108	.002	.037	.163
Younger males vs Younger females (D ₁)	-.100 (.039)	-2.595	.010	-.176	-.024	-.117 (.039)	-3.000	.003	-.193	-.040
Older females vs Younger females (D ₂)	-.155 (.035)	-4.444	< .001	-.223	-.087	-.145 (.035)	-4.147	< .001	-.214	-.077
Older males vs Younger females (D ₃)	-.169 (.036)	-4.661	< .001	.241	-.098	-.170 (.036)	4.702	< .001	-.241	-.099
BEECOM (Exercise) x D ₁	-.059 (.0419)	-1.413	.158	-.140	.023	-.086 (.040)	-2.119	.034	-.165	-.006
BEECOM (Exercise) x D ₂	-.093 (.040)	-2.327	.020	-.172	-.015	-.082 (.039)	-2.117	.034	-.157	-.006
BEECOM (Exercise) x D ₃	-.092 (.045)	-2.032	.042	-.181	-.003	-.095 (.044)	-2.172	.030	-.180	-.009

Note. β = Standardized regression coefficients; *SE* = Standard error; CI = Confidence interval; R^2 = Explained Variance; ED = Eating Disorders; $\Delta R^2 = R^2$ increase due to interaction; BEECOM = Body, Eating, and Exercise Comparison Orientation Measure (-L = long version, -S = short version); LLCI, lower limit 95% bootstrap confidence interval; ULCI, upper limit 95% bootstrap confidence interval; PACS-R = Physical Appearance Comparison Scale-Revised.

Table S2

Results of Moderation Analyses Examining the Conditional Effects of BEECOM Scores on Weight and Shape Concerns

Independent variables	BEECOM-L							BEECOM-S						
	β (SE)	t	p	LLCI	ULCI	R^2	Interaction	β (SE)	t	p	LLCI	ULCI	R^2	Interaction
							ΔR^2 p							ΔR^2 p
Model 1						.407	.007 .009						.396	.006 .015
Constant	.933 (.040)	23.124	< .001	.854	1.012			.933 (.041)	22.904	< .001	.853	1.013		
Percentile-BMI	.208 (.019)	10.765	< .001	.170	.246			.211 (.019)	10.866	< .001	.173	.249		
PACS-R	.077 (.030)	2.559	.011	.018	.135			.090 (.030)	2.966	.003	.030	.149		
BEECOM (Total)	.469 (.045)	10.497	< .001	.381	.556			.455 (.046)	9.873	< .001	.365	.546		
Younger males vs Younger females (D ₁)	-.280 (.058)	-4.839	< .001	-.393	-.166			-.295 (.058)	-5.053	< .001	-.409	-.180		
Older females vs Younger females (D ₂)	-.145 (.052)	-2.785	.005	-.247	-.043			-.137 (.053)	-2.605	.009	-.240	-.034		
Older males vs Younger females (D ₃)	-.353 (.055)	-6.441	< .001	-.461	-.246			-.357 (.055)	-6.489	< .001	-.466	-.249		
BEECOM (Total) x D ₁	-.072 (.056)	-1.285	.199	-.183	.038			-.108 (.057)	-1.903	.057	-.219	.003		
BEECOM (Total) x D ₂	-.114 (.051)	-2.239	.025	-.214	-.014			-.114 (.052)	-2.197	.028	-.216	-.012		
BEECOM (Total) x D ₃	-.208 (.064)	-.3233	.001	-.334	-.082			-.203 (.067)	-3.052	.002	-.334	-.073		
Model 2						.415	.006 .010						.405	.005 .034
Constant	.909 (.039)	23.098	< .001	.831	.986			.908 (.040)	22.889	< .001	.830	.986		
Percentile-BMI	.204 (.019)	10.505	< .001	.166	.242			.211 (.019)	10.829	< .001	.172	.249		
PACS-R	.050 (.031)	1.598	.110	-.011	.111			.067 (.031)	2.179	.030	.007	.127		
BEECOM (Body)	.361 (.049)	7.407	< .001	.265	.456			.331 (.046)	7.173	< .001	.241	.422		
BEECOM (Eating)	.142 (.035)	4.064	< .001	.074	.211			.168 (.032)	5.222	< .001	.105	.231		
BEECOM (Exercise)	.033 (.034)	0.975	.330	-.034	.100			.015 (.029)	0.529	.597	-.041	.072		
Younger males vs Younger females (D ₁)	-.221 (.060)	-3.682	< .001	-.338	-.103			-.250 (.059)	-4.237	< .001	-.366	-.134		
Older females vs Younger females (D ₂)	-.136 (.051)	-2.655	.008	-.237	-.036			-.126 (.052)	-2.433	.015	-.227	-.024		
Older males vs Younger females (D ₃)	-.314 (.056)	-5.618	< .001	-.423	-.204			-.315 (.056)	-5.627	< .001	-.425	-.205		
BEECOM (Body) x D ₁	-.048 (.062)	-0.781	.435	-.169	.073			-.079 (.060)	-1.309	.191	-.198	.040		
BEECOM (Body) x D ₂	-.148 (.051)	-2.926	.003	-.247	-.049			-.136 (.052)	-2.631	.009	-.237	-.035		
BEECOM (Body) x D ₃	-.161 (.064)	-2.529	.012	-.285	-.036			-.149 (.064)	-2.304	.021	-.275	-.022		
Model 3						.416	.007 .009						.406	.006 .036
Constant	.920 (.041)	22.632	< .001	.841	1.000			.922 (.041)	22.505	< .001	.842	1.002		
Percentile-BMI	.203 (.019)	10.472	< .001	.165	.241			.209 (.019)	10.752	< .001	.171	.247		

PACS-R	.042 (.031)	1.330	.184	-.020	.103	.059 (.031)	1.911	.056	-.002	.120
BEECOM (Body)	.261 (.039)	6.770	< .001	.185	.337	.238 (.034)	7.034	< .001	.171	.304
BEECOM (Eating)	.040 (.034)	1.190	.234	-.026	.106	.018 (.029)	0.633	.527	-.038	.075
BEECOM (Exercise)	.216 (.052)	4.161	< .001	.114	.317	.263 (.051)	5.126	< .001	.162	.363
Younger males vs Younger females (D ₁)	-.237 (.058)	-4.074	< .001	-.351	-.123	-.268 (.058)	-4.643	< .001	-.381	-.155
Older females vs Younger females (D ₂)	-.164 (.053)	-3.090	.002	-.268	-.060	-.150 (.053)	-2.819	.005	-.254	-.046
Older males vs Younger females (D ₃)	-.313 (.055)	-5.716	< .001	-.421	-.206	-.319 (.055)	-5.772	< .001	-.427	-.210
BEECOM (Eating) x D ₁	-.022 (.061)	-0.358	.720	-.141	.097	-.091 (.061)	-1.498	.134	-.211	.028
BEECOM (Eating) x D ₂	-.070 (.054)	-1.290	.197	-.176	.036	-.099 (.061)	-1.769	.077	-.209	.011
BEECOM (Eating) x D ₃	-.204 (.064)	-3.191	.001	-.329	-.078	-.193 (.067)	-2.899	.004	-.324	-.062
Model 4						.413 .004 .065				.405 .004 .044
Constant	.923 (.040)	22.928	< .001	.844	1.002	.923 (.040)	22.815	< .001	.844	1.003
Percentile-BMI	.203 (-0.19)	10.445	< .001	.165	.241	.209 (.019)	10.750	< .001	.170	.247
PACS-R	.042 (.031)	1.350	.177	-.019	.104	.061 (.031)	1.988	.047	.001	.122
BEECOM (Body)	.263 (.039)	6.796	< .001	.187	.339	.238 (.034)	7.067	< .001	.172	.304
BEECOM (Eating)	.141 (.035)	4.028	< .001	.072	.210	.165 (.032)	5.210	< .001	.103	.228
BEECOM (Exercise)	.129 (.050)	2.564	.010	.030	.227	.112 (.045)	2.455	.014	.022	.201
Younger males vs Younger females (D ₁)	-.250 (-0.56)	-4.491	< .001	-.360	-.141	-.272 (.056)	-4.846	< .001	-.383	-.162
Older females vs Younger females (D ₂)	-.165 (.053)	-3.090	.002	-.270	-.060	.152 (.054)	-2.845	.005	-.258	-.047
Older males vs Younger females (D ₃)	-.313 (.054)	-5.748	< .001	-.420	-.206	-.313 (.054)	-5.761	< .001	-.420	-.206
BEECOM (Exercise) x D ₁	-.082 (.055)	-1.506	.132	-.190	.025	-.114 (.055)	-2.097	.036	-.222	-.007
BEECOM (Exercise) x D ₂	-.103 (.054)	-1.912	.056	-.208	.003	-.094 (.053)	-1.777	.076	-.198	.010
BEECOM (Exercise) x D ₃	-.159 (.062)	-2.571	.010	-.280	-.038	-.160 (.060)	-2.662	.008	-.279	-.042

Note. β = Standardized regression coefficients; *SE* = Standard error; CI = Confidence interval; R^2 = Explained Variance; ΔR^2 = R^2 increase due to interaction; ED = Eating Disorders; BEECOM = Body, Eating, and Exercise Comparison Orientation Measure (-L = long version, -S = short version); LLCI, lower limit 95% bootstrap confidence interval; ULCI, upper limit 95% bootstrap confidence interval; PACS-R = Physical Appearance Comparison Scale-Revised.

Table S3

Results of Moderation Analyses Examining the Conditional Effects of BEECOM Scores on Dietary Restraint

Independent variables	BEECOM-L								BEECOM-S							
	β (SE)	t	p	LLCI	ULCI	R^2	Interaction		β (SE)	t	p	LLCI	ULCI	R^2	Interaction	
							ΔR^2	p							ΔR^2	p
Model 1						.279	.006	.061						.272	.005	.116
Constant	.692 (.039)	17.738	< .001	.616	.769				.692 (.040)	17.394	< .001	.614	.770			
Percentile-BMI	.214 (.019)	11.181	< .001	.177	.252				.217 (.019)	11.320	< .001	.180	.255			
PACS-R	-.007 (.028)	-0.235	.815	-.062	.048				.001 (.028)	0.034	.973	-.055	.056			
BEECOM (Total)	.397 (.047)	8.403	< .001	.304	.490				.375 (.049)	7.693	< .001	.280	.471			
Younger males vs Younger females (D ₁)	-.135 (.056)	-2.400	.017	-.245	-.025				-.141 (.057)	-2.485	.013	-.251	-.030			
Older females vs Younger females (D ₂)	-.078 (.050)	-1.561	.119	-.177	.020				-.072 (.051)	-1.426	.154	-.172	.027			
Older males vs Younger females (D ₃)	-.153 (.054)	-2.847	.004	-.259	-.048				-.157 (.054)	-2.894	.004	-.263	-.051			
BEECOM (Total) x D ₁	-.137 (.059)	-2.302	.022	-.253	-.020				-.131 (.061)	-2.152	.032	-.250	-.012			
BEECOM (Total) x D ₂	-.120 (.054)	-2.229	.026	-.225	-.014				-.101 (.055)	-1.840	.066	-.209	.007			
BEECOM (Total) x D ₃	-.139 (.065)	-2.122	.034	-.267	-.010				-.129 (.067)	-1.919	.055	-.260	.003			
Model 2						.284	.006	.042						.279	.004	.134
Constant	.690 (.038)	18.019	< .001	.615	.765				.690 (.039)	17.818	< .001	.614	.766			
Percentile-BMI	.220 (.019)	11.379	< .001	.182	.258				.225 (.019)	11.700	< .001	.187	.262			
PACS-R	.017 (.030)	0.577	.564	-.041	.075				.021 (.029)	0.723	.470	-.036	.078			
BEECOM (Body)	.142 (.048)	2.959	.003	.048	.236				.120 (.048)	2.516	.012	.026	.214			
BEECOM (Eating)	.190 (.035)	5.362	< .001	.120	.259				.204 (.033)	6.139	< .001	.139	.269			
BEECOM (Exercise)	.073 (.032)	2.271	.023	.010	.137				.060 (.029)	2.053	.040	.003	.118			
Younger males vs Younger females (D ₁)	-.142 (.057)	-2.506	.012	-.253	-.031				-.152 (.056)	-2.696	.007	-.263	-.041			
Older females vs Younger females (D ₂)	-.070 (.050)	-1.409	.159	-.168	.028				-.064 (.050)	-1.278	.201	-.162	.034			
Older males vs Younger females (D ₃)	-.160 (.054)	-2.933	.003	-.266	-.053				-.161 (.054)	-2.975	.003	-.267	-.055			
BEECOM (Body) x D ₁	-.147 (.060)	-2.465	.014	-.265	-.030				-.126 (.059)	-2.132	.033	-.243	-.010			
BEECOM (Body) x D ₂	-.124 (.050)	-2.500	.013	-.222	-.027				-.102 (.051)	-1.998	.046	-.203	-.002			
BEECOM (Body) x D ₃	-.099 (.064)	-1.552	.121	-.224	.026				-.084 (.064)	-1.320	.187	-.209	.041			
Model 3						.285	.006	.008						.281	.006	.104
Constant	.703 (.040)	17.553	< .001	.624	.782				.702 (.040)	17.403	< .001	.623	.781			
Percentile-BMI	.219 (.019)	11.376	< .001	.181	.257				.223 (.019)	11.680	< .001	.186	.261			

PACS-R	.013 (.030)	0.457	.648	-.044	.071		.017 (.029)	0.591	.555	-.040	.074
BEECOM (Body)	.048 (.036)	1.335	.182	-.022	.118		.041 (.033)	1.268	.205	-.023	.105
BEECOM (Eating)	.282 (.054)	5.258	< .001	.177	.388		.298 (.053)	5.590	< .001	.193	.402
BEECOM (Exercise)	.073 (.032)	2.261	.024	.010	.137		.060 (.029)	2.028	.043	.002	.118
Younger males vs Younger females (D ₁)	-.141 (.058)	-2.446	.015	-.254	-.028		-.155 (.057)	-2.711	.007	-.267	-.043
Older females vs Younger females (D ₂)	-.090 (.051)	-1.774	.076	-.190	.010		-.082 (.051)	-1.599	.110	-.182	.019
Older males vs Younger females (D ₃)	-.169 (.055)	-3.094	.002	-.276	-.062		-.171 (.054)	-3.131	.002	-.277	-.064
BEECOM (Eating) x D ₁	-.101 (.063)	-1.595	.111	-.225	.023		-.116 (.065)	-1.789	.074	-.244	.011
BEECOM (Eating) x D ₂	-.102 (.057)	-1.792	.073	-.213	.010		-.099 (.058)	-1.706	.088	-.212	.015
BEECOM (Eating) x D ₃	-.173 (.068)	-2.535	.011	-.308	-.039		-.167 (.071)	-2.355	.019	-.306	-.028
Model 4						.283 .005 .114				.279 .004 .160	
Constant	.704 (.040)	17.603	< .001	.626	.782		.702 (.040)	17.421	< .001	.623	.781
Percentile-BMI	.218 (.019)	11.298	< .001	.180	.256		.223 (.019)	11.602	< .001	.185	.260
PACS-R	.015 (.030)	0.509	.611	-.043	.073		.021 (.029)	0.704	.482	-.037	.078
BEECOM (Body)	.049 (.036)	1.361	.174	-.022	.119		.042 (.032)	1.304	.192	-.021	.106
BEECOM (Eating)	.187 (.035)	5.329	< .001	.118	.256		.200 (.033)	6.092	< .001	.136	.265
BEECOM (Exercise)	.168 (.051)	3.275	.001	.067	.269		.143 (.048)	2.979	.003	.049	.237
Younger males vs Younger females (D ₁)	-.142 (.056)	-2.546	.011	-.252	-.033		-.156 (.056)	-2.777	.006	-.266	-.046
Older females vs Younger females (D ₂)	-.092 (.052)	-1.781	.075	-.193	.009		-.082 (.052)	-1.593	.112	-.184	.019
Older males vs Younger females (D ₃)	-.170 (.054)	-3.132	.002	-.276	-.064		-.170 (.054)	-3.165	.002	-.275	-.065
BEECOM (Exercise) x D ₁	-.127 (.059)	-2.160	.031	-.242	-.012		-.127 (.060)	-2.126	.034	-.244	-.010
BEECOM (Exercise) x D ₂	-.114 (.056)	-2.034	.042	-.225	-.004		-.092 (.056)	-1.656	.098	-.202	.017
BEECOM (Exercise) x D ₃	-.119 (.063)	-1.877	.061	-.243	.005		-.100 (.065)	-1.551	.121	-.227	.027

Note. β = Standardized regression coefficients; *SE* = Standard error; CI = Confidence interval; R^2 = Explained Variance; ΔR^2 = R^2 increase due to interaction; ED = Eating Disorders; BEECOM = Body, Eating, and Exercise Comparison Orientation Measure (-L = long version, -S = short version); LLCI, lower limit 95% bootstrap confidence interval; ULCI, upper limit 95% bootstrap confidence interval; PACS-R = Physical Appearance Comparison Scale-Revised.