

Results

Paired Samples T-Test

Paired Samples T-Test

								95% Confidence Interval			Effect Size	95% Confidence Interval	
								Lower	Upper			Lower	Upper
			Statistic	df	p	Mean difference	SE difference						
BIPM-É8	BIPM-É7	Student's t	3.0429	32.0	0.002	0.5628	0.185	0.24949	Inf	Cohen's d	0.5297	0.1612	0.891
		Wilcoxon W	412 ^a		0.003	0.6428	0.185	0.2857	Inf	Rank biserial correlation	0.5587		
BIPM-B8	BIPM-B7	Student's t	-1.2605	32.0	0.892	-0.2078	0.165	-0.48703	Inf	Cohen's d	-0.2194	-0.5631	0.128
		Wilcoxon W	172 ^b		0.895	-0.2143	0.165	-0.5713	Inf	Rank biserial correlation	-0.2602		
BIPM8	BIPM-7	Student's t	1.7487	32.0	0.045	0.1775	0.101	0.00556	Inf	Cohen's d	0.3044	-0.0470	0.651
		Wilcoxon W	337 ^d		0.042	0.2142	0.101	7.66e-5	Inf	Rank biserial correlation	0.3569		
TAS-1-A8	TAS-1-A7	Student's t	-0.9080	32.0	0.815	-0.1948	0.215	-0.55821	Inf	Cohen's d	-0.1581	-0.5002	0.187
		Wilcoxon W	223		0.852	-0.2143	0.215	-0.5715	Inf	Rank biserial correlation	-0.2068		
TAS-2-K8	TAS-2-K7	Student's t	-0.5621	32.0	0.711	-0.1152	0.205	-0.46218	Inf	Cohen's d	-0.0978	-0.4391	0.245
		Wilcoxon W	242		0.760	-0.2000	0.205	-0.6000	Inf	Rank biserial correlation	-0.1390		
TAS-3-P8	TAS-3-P7	Student's t	1.2320	32.0	0.113	0.1742	0.141	-0.06533	Inf	Cohen's d	0.2145	-0.1323	0.558
		Wilcoxon W	334 ^a		0.096	0.1875	0.141	-0.0625	Inf	Rank biserial correlation	0.2652		
TAS20-össz8	TAS20-össz7	Student's t	-0.3333	32.0	0.629	-0.0364	0.109	-0.22114	Inf	Cohen's d	-0.0580	-0.3991	0.284
		Wilcoxon W	226		0.837	-0.0750	0.109	-0.2500	Inf	Rank biserial correlation	-0.1943		
STAI-S8	STAI-S7	Student's t	-0.3481	32.0	0.635	-0.0470	0.135	-0.27555	Inf	Cohen's d	-0.0606	-0.4016	0.281
		Wilcoxon W	225 ^d		0.681	-0.0751	0.135	-0.3500	Inf	Rank biserial correlation	-0.0948		
STAI-T8	STAI-T7	Student's t	-0.6949	32.0	0.754	-0.0848	0.122	-0.29167	Inf	Cohen's d	-0.1210	-0.4625	0.222
		Wilcoxon W	214 ^a		0.830	-0.1500	0.122	-0.3250	Inf	Rank biserial correlation	-0.1913		
BAQ8	BAQ7	Student's t	2.4043	32.0	0.011	0.5793	0.241	0.17118	Inf	Cohen's d	0.4185	0.0594	0.772
		Wilcoxon W	386 ^a		0.012	0.6177	0.241	0.2059	Inf	Rank biserial correlation	0.4621		
SAS8	SAS7	Student's t	3.0144	32.0	0.003	0.5502	0.183	0.24104	Inf	Cohen's d	0.5247	0.1567	0.886
		Wilcoxon W	406 ^a		0.004	0.5789	0.183	0.2632	Inf	Rank biserial correlation	0.5360		
PSS8	PSS7	Student's t	-0.0874	32.0	0.535	-0.0152	0.173	-0.30869	Inf	Cohen's d	-0.0152	-0.3563	0.326
		Wilcoxon W	258		0.659	-0.1428	0.173	-0.3572	Inf	Rank biserial correlation	-0.0802		
BIPM8	BIPM-7	Student's t	.	.	.	.	.	.	.	Cohen's d	.	.	.
		Wilcoxon W	.		.	.	.	.	.	Rank biserial correlation	.	.	.

Note. H_a μ Measure 1 - Measure 2 > 0

^a 1 pair(s) of values were tied

^b 3 pair(s) of values were tied

^d 2 pair(s) of values were tied

Normality Test (Shapiro-Wilk)

			W	p
BIPM-É8	-	BIPM-É7	0.963	0.315
BIPM-B8	-	BIPM-B7	0.977	0.679
BIPM8	-	BIPM-7	0.971	0.511
TAS-1-A8	-	TAS-1-A7	0.981	0.820
TAS-2-K8	-	TAS-2-K7	0.938	0.059
TAS-3-P8	-	TAS-3-P7	0.973	0.561
TAS20-össz8	-	TAS20-össz7	0.934	0.045
STAI-S8	-	STAI-S7	0.975	0.644
STAI-T8	-	STAI-T7	0.967	0.394
BAQ8	-	BAQ7	0.982	0.840
SAS8	-	SAS7	0.982	0.838
PSS8	-	PSS7	0.939	0.064
.	-	.	.	.

Note. A low p-value suggests a violation of the assumption of normality

Descriptives

	N	Mean	Median	SD	SE
BIPM-É8	33	4.16	4.29	0.569	0.0991
BIPM-É7	33	3.60	3.57	0.715	0.1245
BIPM-B8	33	1.57	1.57	0.511	0.0890
BIPM-B7	33	1.78	1.57	0.721	0.1256
BIPM8	33	2.87	2.86	0.263	0.0458
BIPM-7	33	2.69	2.64	0.477	0.0830
TAS-1-A8	33	2.13	2.00	0.723	0.1258
TAS-1-A7	33	2.32	2.43	0.929	0.1618
TAS-2-K8	33	2.19	2.00	0.710	0.1235
TAS-2-K7	33	2.31	2.40	0.885	0.1540
TAS-3-P8	33	3.74	3.75	0.454	0.0791
TAS-3-P7	33	3.56	3.75	0.638	0.1111
TAS20-össz8	33	2.78	2.70	0.332	0.0578
TAS20-össz7	33	2.82	2.85	0.449	0.0781
STAI-S8	33	1.92	1.70	0.534	0.0930
STAI-S7	33	1.97	1.90	0.539	0.0938
STAI-T8	33	1.96	1.90	0.509	0.0886
STAI-T7	33	2.05	2.00	0.524	0.0912
BAQ8	33	5.03	5.06	0.791	0.1377
BAQ7	33	4.45	4.53	1.098	0.1912
SAS8	33	3.59	3.63	0.714	0.1243
SAS7	33	3.04	2.95	0.670	0.1166
PSS8	33	2.83	2.71	0.721	0.1256
PSS7	33	2.84	3.00	0.669	0.1165
BIPM8	33	2.87	2.86	0.263	0.0458
BIPM-7	33	2.69	2.64	0.477	0.0830

Correlation Matrix

Correlation Matrix

		BIPM-É8	BIPM-B8	BIPM8	TAS-1-A8	TAS-2-K8	TAS-3-P8	TAS20-össz8	STAI-S8	STAI-T8	BAQ8	SAS8	SSAS8	PSS8
BIPM-É8	Pearson's r	—												
	df	—												
	p-value	—												
	Spearman's rho	—												
	df	—												
	p-value	—												
BIPM-B8	Pearson's r	-0.530 **	—											
	df	31	—											
	p-value	0.002	—											
	Spearman's rho	-0.302	—											
	df	31	—											
	p-value	0.088	—											
BIPM8	Pearson's r	0.567 ***	0.398 *	—										
	df	31	31	—										
	p-value	< .001	0.022	—										
	Spearman's rho	0.717 ***	0.317	—										
	df	31	31	—										
	p-value	< .001	0.072	—										
TAS-1-A8	Pearson's r	-0.365 *	0.424 *	0.018	—									
	df	31	31	31	—									
	p-value	0.037	0.014	0.922	—									
	Spearman's rho	-0.387 *	0.478 **	-0.017	—									
	df	31	31	31	—									
	p-value	0.026	0.005	0.925	—									
TAS-2-K8	Pearson's r	-0.400 *	0.581 ***	0.132	0.438 *	—								
	df	31	31	31	31	—								
	p-value	0.021	< .001	0.465	0.011	—								
	Spearman's rho	-0.248	0.358 *	-0.028	0.376 *	—								
	df	31	31	31	31	—								
	p-value	0.164	0.041	0.879	0.031	—								
TAS-3-P8	Pearson's r	0.290	-0.219	0.101	-0.204	-0.526 **	—							
	df	31	31	31	31	31	—							
	p-value	0.102	0.222	0.574	0.254	0.002	—							
	Spearman's rho	0.151	-0.119	0.107	-0.269	-0.596 ***	—							
	df	31	31	31	31	31	—							
	p-value	0.400	0.509	0.555	0.130	< .001	—							
TAS20-össz8	Pearson's r	-0.325	0.514 **	0.148	0.856 ***	0.565 ***	0.102	—						
	df	31	31	31	31	31	31	—						
	p-value	0.065	0.002	0.410	< .001	< .001	0.572	—						
	Spearman's rho	-0.341	0.479 **	-0.019	0.784 ***	0.405 *	0.127	—						
	df	31	31	31	31	31	31	—						
	p-value	0.052	0.005	0.918	< .001	0.019	0.481	—						
STAI-S8	Pearson's r	-0.187	0.252	0.043	0.804 ***	0.195	-0.094	0.657 ***	—					
	df	31	31	31	31	31	31	31	—					
	p-value	0.298	0.158	0.814	< .001	0.277	0.603	< .001	—					
	Spearman's rho	-0.263	0.332	-0.001	0.820 ***	0.225	-0.182	0.656 ***	—					
	df	31	31	31	31	31	31	31	—					
	p-value	0.139	0.059	0.997	< .001	0.209	0.310	< .001	—					
STAI-T8	Pearson's r	-0.295	0.385 *	0.056	0.824 ***	0.258	-0.062	0.719 ***	0.820 ***	—				

Note. * p < .05, ** p < .01, *** p < .001

Correlation Matrix

		BIPM-É8	BIPM-B8	BIPM8	TAS-1-A8	TAS-2-K8	TAS-3-P8	TAS20-össz8	STAI-S8	STAI-T8	BAQ8	SAS8	SSAS8	PSS8
BAQ8	df	31	31	31	31	31	31	31	31	—				
	p-value	0.096	0.027	0.759	< .001	0.147	0.733	< .001	< .001	—				
	Spearman's rho	-0.442 **	0.396 *	-0.083	0.764 ***	0.154	-0.105	0.578 ***	0.754 ***	—				
	df	31	31	31	31	31	31	31	31	—				
	p-value	0.010	0.022	0.645	< .001	0.393	0.561	< .001	< .001	—				
	Pearson's r	0.269	-0.157	0.138	-0.407 *	-0.143	-0.197	-0.476 **	-0.209	-0.435 *	—			
	df	31	31	31	31	31	31	31	31	31	—			
	p-value	0.130	0.383	0.442	0.019	0.427	0.273	0.005	0.243	0.011	—			
	Spearman's rho	0.337	-0.155	0.143	-0.365 *	-0.123	-0.128	-0.422 *	-0.270	-0.457 **	—			
	df	31	31	31	31	31	31	31	31	31	—			
	p-value	0.055	0.388	0.428	0.037	0.497	0.476	0.014	0.128	0.008	—			
	Pearson's r	0.140	-0.089	0.064	-0.153	0.006	-0.287	-0.276	0.037	-0.188	0.665 ***	—		
	df	31	31	31	31	31	31	31	31	31	31	—		
	p-value	0.437	0.621	0.722	0.395	0.974	0.106	0.120	0.837	0.294	< .001	—		
	Spearman's rho	0.266	-0.061	0.154	-0.011	0.031	-0.251	-0.139	0.124	-0.118	0.614 ***	—		
	df	31	31	31	31	31	31	31	31	31	31	—		
	p-value	0.134	0.736	0.394	0.952	0.863	0.158	0.441	0.493	0.514	< .001	—		
SSAS8	Pearson's r	-0.003	-0.179	-0.177	0.262	-0.098	-0.026	0.120	0.084	0.156	0.060	0.252	—	
	df	31	31	31	31	31	31	31	31	31	31	31	—	
	p-value	0.987	0.318	0.323	0.140	0.589	0.886	0.505	0.644	0.386	0.742	0.156	—	
	Spearman's rho	-0.098	-0.169	-0.114	0.290	-0.097	-0.038	0.145	0.110	0.238	0.066	0.245	—	
	df	31	31	31	31	31	31	31	31	31	31	31	—	
	p-value	0.587	0.346	0.528	0.101	0.591	0.835	0.419	0.544	0.183	0.717	0.170	—	
PSS8	Pearson's r	-0.232	0.237	-0.021	0.706 ***	0.084	0.024	0.589 ***	0.863 ***	0.802 ***	-0.186	-0.120	0.109	—
	df	31	31	31	31	31	31	31	31	31	31	31	31	—
	p-value	0.194	0.184	0.908	< .001	0.641	0.896	< .001	< .001	< .001	0.301	0.506	0.546	—
	Spearman's rho	-0.324	0.287	-0.060	0.742 ***	0.041	0.001	0.589 ***	0.828 ***	0.742 ***	-0.254	-0.116	0.144	—
	df	31	31	31	31	31	31	31	31	31	31	31	31	—
	p-value	0.066	0.105	0.742	< .001	0.820	0.994	< .001	< .001	< .001	0.154	0.521	0.426	—

Note. * p < .05, ** p < .01, *** p < .001

Correlation Matrix

Correlation Matrix

		BIPM-É7	BIPM-B7	BIPM-7	TAS-1-A7	TAS-2-K7	TAS-3-P7	TAS20-össz7	STAI-S7	STAI-T7	BAQ7	SAS7	SSAS7	PSS7
BIPM-É7	Pearson's r	—												
	df	—												
	p-value	—												
BIPM-B7	Pearson's r	-0.119	—											
	df	31	—											
	p-value	0.510	—											
BIPM-7	Pearson's r	0.660	0.668	—										
	df	31	31	—										
	p-value	< .001	< .001	—										
TAS-1-A7	Pearson's r	-0.042	0.662	0.470	—									
	df	31	31	31	—									
	p-value	0.817	< .001	0.006	—									
TAS-2-K7	Pearson's r	-0.210	0.720	0.387	0.433	—								
	df	31	31	31	31	—								
	p-value	0.241	< .001	0.026	0.012	—								
TAS-3-P7	Pearson's r	0.440	-0.408	0.021	-0.361	-0.184	—							
	df	31	31	31	31	31	—							
	p-value	0.010	0.018	0.909	0.039	0.304	—							
TAS20-össz7	Pearson's r	0.116	0.603	0.543	0.733	0.702	0.216	—						
	df	31	31	31	31	31	31	—						
	p-value	0.520	< .001	0.001	< .001	< .001	0.227	—						
STAI-S7	Pearson's r	-0.056	0.474	0.316	0.600	0.206	-0.263	0.387	—					
	df	31	31	31	31	31	31	31	—					
	p-value	0.757	0.005	0.073	< .001	0.251	0.139	0.026	—					
STAI-T7	Pearson's r	-0.017	0.482	0.352	0.632	0.219	-0.164	0.473	0.884	—				
	df	31	31	31	31	31	31	31	31	—				
	p-value	0.924	0.005	0.045	< .001	0.221	0.360	0.005	< .001	—				
BAQ7	Pearson's r	0.108	-0.246	-0.105	-0.335	-0.388	-0.119	-0.502	-0.210	-0.283	—			
	df	31	31	31	31	31	31	31	31	31	—			
	p-value	0.551	0.168	0.560	0.056	0.026	0.511	0.003	0.241	0.111	—			
SAS7	Pearson's r	0.344	-0.204	0.104	-0.075	-0.138	0.161	-0.030	-0.066	-0.125	0.573	—		
	df	31	31	31	31	31	31	31	31	31	31	—		
	p-value	0.050	0.256	0.564	0.680	0.443	0.369	0.866	0.715	0.488	< .001	—		
SSAS7	Pearson's r	0.279	0.202	0.362	0.462	0.171	0.138	0.497	0.335	0.482	-0.089	0.250	—	
	df	31	31	31	31	31	31	31	31	31	31	31	—	
	p-value	0.116	0.260	0.038	0.007	0.341	0.444	0.003	0.056	0.005	0.623	0.160	—	
PSS7	Pearson's r	-0.126	0.319	0.147	0.721	0.059	-0.405	0.322	0.725	0.708	-0.272	-0.114	0.363	—
	df	31	31	31	31	31	31	31	31	31	31	31	31	—
	p-value	0.485	0.070	0.414	< .001	0.744	0.019	0.068	< .001	< .001	0.126	0.526	0.038	—

Descriptives

Descriptives

	Nem	Életkor
N	Férfi	7
	Nő	26
Missing	Férfi	0
	Nő	0
Mean	Férfi	28.0
	Nő	31.2
Median	Férfi	27
	Nő	28.0
Standard deviation	Férfi	5.80
	Nő	8.04
Minimum	Férfi	19
	Nő	21
Maximum	Férfi	37
	Nő	47
Shapiro-Wilk W	Férfi	0.979
	Nő	0.904
Shapiro-Wilk p	Férfi	0.955
	Nő	0.019

Correlation Matrix

Correlation Matrix

		SSAS7	TAS-1-A7
SSAS7	Pearson's r	—	
	df	—	
	p-value	—	
	Spearman's rho	—	
	df	—	
	p-value	—	
TAS-1-A7	Pearson's r	0.462**	—
	df	31	—
	p-value	0.007	—
	Spearman's rho	0.469**	—
	df	31	—
	p-value	0.006	—

Note. * p < .05, ** p < .01, *** p < .001

Descriptives

Descriptives

	BIPM-É8	BIPM-B8	BIPM-É7	BIPM-B7
N	33	33	33	33
Mean	4.16	1.57	3.60	1.78
Median	4.29	1.57	3.57	1.57
Standard deviation	0.569	0.511	0.715	0.721
Shapiro-Wilk W	0.886	0.818	0.972	0.889
Shapiro-Wilk p	0.002	< .001	0.529	0.003

Paired Samples T-Test

Paired Samples T-Test

			Statistic	df	p	Mean difference	SE difference
PSS-össz7	PSS-össz8	Student's t	0.0874	32.0	0.931	0.212	2.43
		Wilcoxon W	306		0.661	2.00	2.43

Note. $H_a: \mu \text{ Measure 1 - Measure 2} \neq 0$

Normality Test (Shapiro-Wilk)

			W	p
PSS-össz7	-	PSS-össz8	0.939	0.064

Note. A low p-value suggests a violation of the assumption of normality

Descriptives

	N	Mean	Median	SD	SE
PSS-össz7	33	39.8	42.0	9.37	1.63
PSS-össz8	33	39.6	38.0	10.10	1.76

References

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[3] Kerby, D. S. (2014). The simple difference formula: An approach to teaching nonparametric correlation. *Comprehensive Psychology*, 3, 2165–2228.