

Supplementary Material

paper1004

1 SoA score s_soa

1.1 Descriptive Statistics

<i>SoA-manipulation</i>	<i>SoSL-manipulation</i>	<i>SoBO-manipulation</i>	mean	std
Manipulated	1PP	Anthropomorphic-hand	3.170	1.227
		Stick-fingers	3.245	0.993
	3PP-EP	Anthropomorphic-hand	3.259	1.231
		Stick-fingers	2.972	1.011
	3PP-PP	Anthropomorphic-hand	3.298	1.232
		Stick-fingers	3.230	1.249
Synchronous	1PP	Anthropomorphic-hand	6.078	0.796
		Stick-fingers	5.089	1.254
	3PP-EP	Anthropomorphic-hand	5.461	1.078
		Stick-fingers	4.677	1.080
	3PP-PP	Anthropomorphic-hand	5.574	0.859
		Stick-fingers	4.922	1.052

Table 1: Descriptive statistics of the SoA score ($N = 47$).

1.2 ANOVA table (Type 3 tests)

Effect	df	MSE	F	η_p^2	p-value
<i>SoA-manipulation</i>	1, 46	1.73	360.48 ***	0.887	<0.001
<i>SoBO-manipulation</i>	1, 46	0.68	42.27 ***	0.479	<0.001
<i>SoSL-manipulation</i>	1.75, 80.35	1.00	4.96 *	0.097	0.012
<i>SoA-manipulation:SoBO-manipulation</i>	1, 46	0.66	27.45 ***	0.374	<0.001
<i>SoA-manipulation:SoSL-manipulation</i>	2, 92	0.55	4.73 *	0.093	0.011
<i>SoBO-manipulation:SoSL-manipulation</i>	1.98, 90.86	0.48	0.77	0.016	0.465
<i>SoA-manipulation:SoBO-manipulation:SoSL-manipulation</i>	2, 92	0.51	2.14	0.045	0.123

Table 2: ANOVA Table where the dependent variable is the SoA score (s_soa).

2 SoSL score s_sosl

2.1 Descriptive Statistics

SoA-manipulation	SoSL-manipulation	SoBO-manipulation	mean	std
Manipulated	1PP	Anthropomorphic-hand Stick-fingers	5.780 5.255	1.257 1.394
	3PP-EP	Anthropomorphic-hand Stick-fingers	2.025 1.901	1.196 1.173
	3PP-PP	Anthropomorphic-hand Stick-fingers	2.830 2.819	1.253 1.445
Synchronous	1PP	Anthropomorphic-hand Stick-fingers	6.362 5.752	0.691 1.238
	3PP-EP	Anthropomorphic-hand Stick-fingers	2.113 2.106	1.368 1.383
	3PP-PP	Anthropomorphic-hand Stick-fingers	3.270 3.028	1.490 1.372

Table 3: Descriptive statistics of the SoSL score ($N = 47$).

2.2 ANOVA table (Type 3 tests)

Effect	df	MSE	F	η_p^2	p -value
<i>SoA-manipulation</i>	1, 46	0.76	21.04 ***	0.314	<0.001
<i>SoBO-manipulation</i>	1, 46	0.63	14.30 ***	0.237	<0.001
<i>SoSL-manipulation</i>	1.45, 66.48	4.59	215.74 ***	0.824	<0.001
<i>SoA-manipulation:SoBO-manipulation</i>	1, 46	0.35	0.44	0.009	0.510
<i>SoA-manipulation:SoSL-manipulation</i>	1.72, 79.25	0.40	5.29 **	0.103	0.010
<i>SoBO-manipulation:SoSL-manipulation</i>	1.82, 83.92	0.44	8.73 ***	0.159	<0.001
<i>SoA-manipulation:SoBO-manipulation:SoSL-manipulation</i>	1.96, 90.38	0.36	1.01	0.021	0.368

Table 4: ANOVA Table where the dependent variable is the SoSL score (s_sosl).

3 SoBO score s_sobo

3.1 Descriptive Statistics

SoA-manipulation	SoSL-manipulation	SoBO-manipulation	mean	std
Manipulated	1PP	Anthropomorphic-hand	4.007	1.459
		Stick-fingers	2.908	1.407
	3PP-EP	Anthropomorphic-hand	3.270	1.447
		Stick-fingers	2.131	1.073
Synchronous	3PP-PP	Anthropomorphic-hand	3.440	1.269
		Stick-fingers	2.514	1.318
	1PP	Anthropomorphic-hand	5.624	1.046
Stick-fingers		3.652	1.684	
3PP-EP	Anthropomorphic-hand	4.089	1.501	
	Stick-fingers	2.773	1.326	
3PP-PP	Anthropomorphic-hand	4.610	1.416	
	Stick-fingers	3.145	1.457	

Table 5: Descriptive statistics of the SoBO score ($N = 47$).

3.2 ANOVA table (Type 3 tests)

Effect	df	MSE	F	η_p^2	p -value
<i>SoA-manipulation</i>	1, 46	1.17	105.56 ***	0.696	<0.001
<i>SoBO-manipulation</i>	1, 46	2.54	96.69 ***	0.678	<0.001
<i>SoSL-manipulation</i>	1.54, 70.84	1.07	56.12 ***	0.550	<0.001
<i>SoA-manipulation:SoBO-manipulation</i>	1, 46	0.41	24.29 ***	0.346	<0.001
<i>SoA-manipulation:SoSL-manipulation</i>	2, 92	0.37	6.56 **	0.125	0.002
<i>SoBO-manipulation:SoSL-manipulation</i>	1.96, 90.14	0.58	2.94	0.060	0.059
<i>SoA-manipulation:SoBO-manipulation:SoSL-manipulation</i>	1.98, 91.15	0.44	3.24 *	0.066	0.044

Table 6: ANOVA Table where the dependent variable is the SoBO score (s_sobo).