

Higher Emotional Intelligence Is Associated with a Stronger Rubber Hand Illusion

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Supplementary Material

1. Mean Scores of Separate Questions in the Ownership Questionnaire

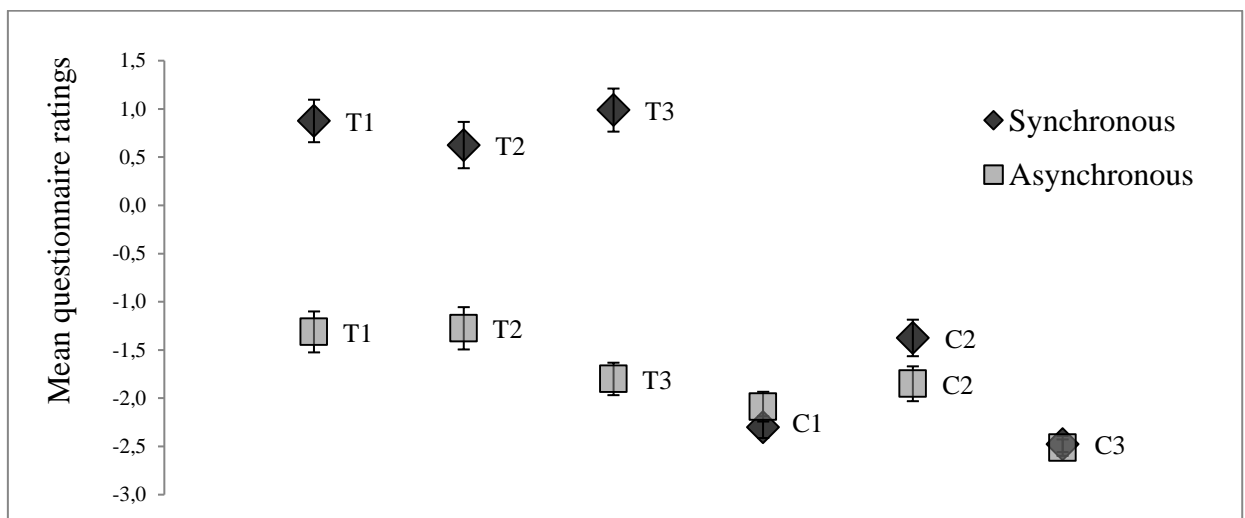


Figure S1. Mean scores of the illusion questions (T1–T3) and control questions (C1–C3) in synchronous (dark gray) and asynchronous (light gray) conditions. Error bars indicate the standard errors of the means. Positive scores indicate agreement with questions, and negative scores indicate disagreement.

2. Results of *t*-Test

	Mean	Std.Dev.	<i>N</i>	Diff.	Std.Dev. Diff.	<i>t</i>	df	<i>p</i>	Confidence -95.000%	Confidence +95.000%
DriftSync	1.08	3.62								
DriftAcinc	-0.11	2.77	80	1.18	3.71	2.85	79	0.006	0.36	2.01

3. Results of Linear Models

3.1. Linear Mixed Model for the Ownership Questionnaire (Own) with an Interaction Term between Synchronous/Asynchronous (Sync) and Test/Control (Test)

Formula: Own ~ Sync * Test + (1 | Code) #Code – number of the subject

Scaled residuals:

Min	1Q	Median	3Q	Max
-2.7817	-0.5825	-0.0058	0.5832	3.2932

Random effects:

GroupsName	Variance	Std.Dev.
Code (Intercept)	6.783	2.605
Residual	9.262	3.043

Number of obs: 960, groups: Code, 80

Fixed effects:

	Estimate	Std. Error	<i>t</i> value
(Intercept)	-6.4500	0.3513	-18.362
Sync	0.2625	0.2778	0.945
Test	2.0625	0.2778	7.424
Sync:Test	6.6125	0.3929	16.830

Correlation of Fixed Effects:

	(Intr)	Sync	Test
Sync	-0.395		
Test	-0.395	0.500	
Sync:Test	0.280	-0.707	-0.707

Analysis of Deviance Table (Type III Wald chi-square tests)

Response: Own

	Chisq	Df	Pr(>Chisq)
(Intercept)	337.1796	1	< 2.2e-16 ***
Sync	0.8928	1	0.3447
Test	55.1164	1	1.136e-13 ***
Sync:Test	283.2657	1	< 2.2e-16 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

3.2. Robust Linear Model for the Proprioceptive Drift

Dependent variable: the proprioceptive drift in the synchronous condition (Drift);

Independent variables: the total scores of EI and TAS-20.

Residuals:

Min	1Q	Median	3Q	Max
-3.78972	-1.42222	0.02705	1.14169	5.81149

Coefficients:

	Value	Std. Error	t value
(Intercept)	-10.035	8.1856	-1.2259
MSCEIT	0.0755	0.0681	1.1086
TAS.20	0.0558	0.0411	1.3589

Analysis of Deviance Table (Type III tests)

Response: Drift

	Df	F	Pr(>F)
(Intercept)	1	1.5029	0.2301
MSCEIT	1	1.2290	0.2767
TAS.20	1	1.8467	0.1846
Residuals	29		

3.3. Robust Linear Model for the Ownership Questionnaire

Dependent variable: test questions of the ownership questionnaire in synchronous condition (TestOwS);

Independent variables: the total scores of EI and TAS-20.

Residuals:

Min	1Q	Median	3Q	Max
-12.9760	-2.4037	0.3321	1.8442	11.1569

Coefficients:

	Value	Std. Error	t value
(Intercept)	-40.9891	13.7819	-2.9741
MSCEIT	0.4233	0.1146	3.6921
TAS.20	-0.0418	0.0691	-0.6046

Analysis of Deviance Table (Type III tests)

Response:

	Df	F	Pr(>F)
(Intercept)	1	8.8454	0.0058653 **
MSCEIT	1	13.6318	0.0009165 ***
TAS.20	1	0.3656	0.5501297
Residuals	29		

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

4. Results of Correlation Analysis

	Valid	Spearman	$t(N - 2)$	p -value	BH correction
DDF & AsyncDELTA	77	0.02	0.20	0.84	0.915
DDF & ControlOwAs	77	0.18	1.62	0.11	0.446
DDF & ControlOwS***	77	0.32	2.91	0.00	0
DDF & Drift	77	-0.02	-0.21	0.84	0.915
DDF & SummOwAs	77	0.08	0.69	0.49	0.709
DDF & SummOwS	77	0.09	0.78	0.44	0.685
DDF & SyncDELTA	77	0.05	0.45	0.65	0.836
DDF & TestOwAs	77	0.06	0.51	0.61	0.81
DDF & TestOwS	77	-0.06	-0.50	0.62	0.81
DIF & AsyncDELTA	77	-0.08	-0.72	0.47	0.705
DIF & ControlOwAs***	77	0.32	2.94	0.00	0
DIF & ControlOwS***	77	0.40	3.75	0.00	0
DIF & Drift	77	0.16	1.41	0.16	0.518
DIF & SummOwAs	77	0.27	2.41	0.02	0.18
DIF & SummOwS	77	0.20	1.72	0.09	0.405
DIF & SyncDELTA	77	0.16	1.43	0.16	0.518
DIF & TestOwAs	77	0.27	2.46	0.02	0.18
DIF & TestOwS	77	0.02	0.17	0.87	0.915
EI & AsyncDELTA	32	0.16	0.88	0.39	0.645
EI & ControlOwAs	32	0.17	0.96	0.34	0.612
EI & ControlOwS	32	0.35	2.05	0.05	0.27
EI & Drift	32	0.05	0.25	0.80	0.915
EI & SummOwAs	32	0.30	1.71	0.10	0.426
EI & SummOwS***	32	0.54	3.49	0.00	0
EI & SyncDELTA	32	0.17	0.97	0.34	0.612
EI & TestOwAs	32	0.33	1.90	0.07	0.354
EI & TestOwS	32	0.41	2.49	0.02	0.18
EI_ident & AsyncDELTA	32	0.24	1.38	0.18	0.54
EI_ident & ControlOwAs	32	0.18	0.99	0.33	0.612
EI_ident & ControlOwS	32	0.35	2.03	0.05	0.27
EI_ident & Drift	32	-0.05	-0.27	0.79	0.915
EI_ident & SummOwAs	32	0.20	1.13	0.27	0.608
EI_ident & SummOwS	32	0.37	2.18	0.04	0.27
EI_ident & SyncDELTA	32	0.05	0.28	0.78	0.915
EI_ident & TestOwAs	32	0.18	1.00	0.33	0.612
EI_ident & TestOwS	32	0.23	1.27	0.21	0.54
EI_isp & AsyncDELTA	32	0.14	0.80	0.43	0.683
EI_isp & ControlOwAs	32	0.16	0.89	0.38	0.641
EI_isp & ControlOwS	32	0.02	0.14	0.89	0.923
EI_isp & Drift	32	-0.15	-0.86	0.40	0.648
EI_isp & SummOwAs	32	0.34	2.01	0.05	0.27
EI_isp & SummOwS	32	0.22	1.26	0.22	0.54
EI_isp & SyncDELTA	32	0.01	0.03	0.98	0.98
EI_isp & TestOwAs	32	0.40	2.39	0.02	0.18

EI_isp & TestOwS	32	0.22	1.25	0.22	0.54
EI_ponim & AsyncDELTA	32	0.16	0.91	0.37	0.638
EI_ponim & ControlOwAs	32	-0.04	-0.20	0.84	0.915
EI_ponim & ControlOwS	32	0.31	1.76	0.09	0.405
EI_ponim & Drift	32	0.13	0.73	0.47	0.705
EI_ponim & SummOwAs	32	-0.11	-0.60	0.56	0.782
EI_ponim & SummOwS	32	0.39	2.33	0.03	0.243
EI_ponim & SyncDELTA	32	0.22	1.26	0.22	0.54
EI_ponim & TestOwAs	32	-0.11	-0.61	0.55	0.782
EI_ponim & TestOwS	32	0.26	1.48	0.15	0.518
EI_upr & AsyncDELTA	32	0.02	0.10	0.92	0.932
EI_upr & ControlOwAs	32	0.07	0.40	0.69	0.847
EI_upr & ControlOwS	32	0.03	0.17	0.87	0.915
EI_upr & Drift	32	0.18	0.98	0.34	0.612
EI_upr & SummOwAs	32	0.20	1.15	0.26	0.602
EI_upr & SummOwS	32	0.22	1.21	0.24	0.572
EI_upr & SyncDELTA	32	0.18	1.00	0.33	0.612
EI_upr & TestOwAs	32	0.24	1.36	0.18	0.54
EI_upr & TestOwS	32	0.19	1.07	0.29	0.612
EOT & AsyncDELTA	77	0.15	1.29	0.20	0.54
EOT & ControlOwAs	77	0.05	0.41	0.68	0.847
EOT & ControlOwS	77	0.12	1.09	0.28	0.612
EOT & Drift	77	-0.08	-0.69	0.49	0.709
EOT & SummOwAs	77	-0.03	-0.23	0.82	0.915
EOT & SummOwS	77	-0.06	-0.49	0.62	0.81
EOT & SyncDELTA	77	-0.02	-0.17	0.87	0.915
EOT & TestOwAs	77	-0.01	-0.12	0.90	0.923
EOT & TestOwS	77	-0.15	-1.31	0.20	0.54
TAS20 & AsyncDELTA	77	0.03	0.27	0.79	0.915
TAS20 & ControlOwAs	77	0.24	2.15	0.04	0.27
TAS20 & ControlOwS***	77	0.33	2.98	0.00	0
TAS20 & Drift	77	0.05	0.40	0.69	0.847
TAS20 & SummOwAs	77	0.16	1.41	0.16	0.518
TAS20 & SummOwS	77	0.10	0.89	0.37	0.638
TAS20 & SyncDELTA	77	0.11	0.99	0.33	0.612
TAS20 & TestOwAs	77	0.16	1.43	0.16	0.518
TAS20 & TestOwS	77	-0.06	-0.50	0.62	0.81