

Target	Predictor	Average Spearman ρ	95% CI	FDR p	Raw p
Ability T1	Activity T1	0.044	(0.007, 0.15)	0.56	0.42
Ability T1	Connectivity T1	0.024	(-0.01, 0.122)	0.7696	0.6322
Ability T2	Activity T1	0.004	(-0.032, 0.105)	0.9402	0.9322
Ability T2	Activity T2	0.004	(-0.03, 0.104)	0.9402	0.9402
Ability T2	Connectivity T1	-0.126	(-0.16, -0.027)	0.0301	0.014
Ability T2	Connectivity T2	0.043	(0.007, 0.147)	0.56	0.4162
Ability T3	Activity T1	0.021	(-0.015, 0.127)	0.8127	0.6966
Ability T3	Activity T2	-0.167	(-0.198, -0.073)	0.0014	0.0004
Ability T3	Activity T3	0.207	(0.172, 0.305)	0.0008	0.0002
Ability T3	Connectivity T1	-0.063	(-0.096, 0.033)	0.3281	0.1992
Ability T3	Connectivity T2	-0.052	(-0.087, 0.05)	0.4554	0.309
Ability T3	Connectivity T3	0.117	(0.084, 0.21)	0.0362	0.0194
Improv. T2-T1	Activity T1	-0.229	(-0.262, -0.136)	0.0006	0.0001
Improv. T2-T1	Activity T2	-0.062	(-0.096, 0.038)	0.3478	0.2236
Improv. T2-T1	Connectivity T1	-0.249	(-0.281, -0.158)	0.0006	0.0001
Improv. T2-T1	Connectivity T2	0.211	(0.18, 0.304)	0.0006	0.0001
Improv. T3-T1	Activity T1	0.1	(0.063, 0.205)	0.112	0.064
Improv. T3-T1	Activity T2	-0.011	(-0.044, 0.088)	0.9339	0.8338
Improv. T3-T1	Activity T3	0.243	(0.21, 0.342)	0.0008	0.0002
Improv. T3-T1	Connectivity T1	-0.148	(-0.182, -0.053)	0.0062	0.0022
Improv. T3-T1	Connectivity T2	0.027	(-0.008, 0.126)	0.7696	0.6102
Improv. T3-T1	Connectivity T3	0.213	(0.181, 0.303)	0.0006	0.0001
Improv. T3-T2	Activity T1	0.186	(0.152, 0.289)	0.0025	0.0008
Improv. T3-T2	Activity T2	0.119	(0.086, 0.212)	0.0328	0.0164
Improv. T3-T2	Activity T3	0.298	(0.266, 0.389)	0.0006	0.0001
Improv. T3-T2	Connectivity T1	-0.126	(-0.159, -0.028)	0.028	0.012
Improv. T3-T2	Connectivity T2	-0.006	(-0.039, 0.091)	0.9402	0.9046
Improv. T3-T2	Connectivity T3	0.131	(0.099, 0.224)	0.0209	0.0082