Results

Repeated Measures ANOVA

Within Subjects Effects

	Sphericity Correction	Sum of Squares	df	Mean Square	F	p	η^2_p	ω^2
ROI	Greenhouse-Geisser	0.187 [a]	4.314 [a]	0.043 [a]	28.663 [a]	1.094e-17 [a]	0.497	0.232
Residual	Greenhouse-Geisser	0.190	125.111	0.002				

Note. Type III Sum of Squares

[a] Mauchly's test of sphericity indicates that the assumption of sphericity is violated (p < .05).

Between Subjects Effects

	Sum of Squares	df	Mean Square	F	p	η^2_p	ω^2
Residual	0.390	29	0.013				

Note. Type III Sum of Squares

Post Hoc Tests

Post Hoc Comparisons - ROI

		Mean Difference	95% CI of Mean Difference Lower	95% CI of Mean Difference Upper	SE	t	Cohen's d	p holm	p bonf
ACC	ATL	0.036	0.007	0.066	0.008	4.311	0.787	0.003	0.006
	IFG	-0.008	-0.029	0.013	0.006	-1.359	-0.248	0.674	1.000
	Ins	0.015	-0.008	0.038	0.006	2.292	0.418	0.264	1.000
	LTL	-0.038	-0.064	-0.012	0.007	-5.245	-0.958	3.209e-4	4.621e-4
	PCC	0.025	0.004	0.047	0.006	4.143	0.756	0.004	0.010
	Prec	-0.009	-0.028	0.010	0.005	-1.638	-0.299	0.674	1.000
	V1	0.057	0.024	0.090	0.009	6.084	1.111	3.543e-5	4.556e-5
	aPFC	0.013	-0.009	0.034	0.006	2.051	0.374	0.346	1.000
ATL	IFG	-0.044	-0.071	-0.018	0.007	-5.894	-1.076	5.753e-5	7.670e-5
	Ins	-0.021	-0.044	0.002	0.007	-3.255	-0.594	0.037	0.104
	LTL	-0.074	-0.108	-0.040	0.010	-7.746	-1.414	5.050e-7	5.509e-7
	PCC	-0.011	-0.034	0.013	0.007	-1.619	-0.296	0.674	1.000
	Prec	-0.045	-0.074	-0.016	0.008	-5.507	-1.005	1.615e-4	2.236e-4
	V1	0.021	-0.004	0.046	0.007	2.918	0.533	0.071	0.242
	aPFC	-0.024	-0.052	0.005	0.008	-2.937	-0.536	0.071	0.231
IFG	Ins	0.023	0.006	0.040	0.005	4.669	0.852	0.001	0.002
	LTL	-0.030	-0.054	-0.006	0.007	-4.476	-0.817	0.002	0.004
	PCC	0.033	0.010	0.057	0.007	4.975	0.908	6.522e-4	9.783e-4
	Prec	-8.036e-4	-0.022	0.020	0.006	-0.134	-0.024	1.000	1.000
	V1	0.065	0.033	0.096	0.009	7.299	1.333	1.557e-6	1.752e-6
	aPFC	0.021	-0.003	0.044	0.007	3.120	0.570	0.049	0.147
Ins	LTL	-0.053	-0.081	-0.025	0.008	-6.589	-1.203	9.639e-6	1.157e-5
	PCC	0.011	-0.007	0.028	0.005	2.115	0.386	0.345	1.000
	Prec	-0.024	-0.047	-2.401e-4	0.007	-3.572	-0.652	0.018	0.045
	V1	0.042	0.021	0.063	0.006	7.192	1.313	1.999e-6	2.322e-6
	aPFC	-0.002	-0.029	0.025	0.008	-0.293	-0.053	1.000	1.000
LTL	PCC	0.064	0.029	0.098	0.010	6.558	1.197	1.012e-5	1.256e-5
	Prec	0.029	0.007	0.052	0.006	4.606	0.841	0.002	0.003
	V1	0.095	0.059	0.131	0.010	9.369	1.711	1.019e-8	1.019e-8
	aPFC	0.051	0.029	0.073	0.006	8.075	1.474	2.320e-7	2.386e-7

Post Hoc Comparisons - ROI

		Mean Difference	95% CI of Mean Difference Lower	95% CI of Mean Difference Upper	SE	t	Cohen's d	p holm	p bonf
PCC	Prec	-0.034	-0.058	-0.010	0.007	-4.971	-0.908	6.522e -4	9.904e -4
	V1	0.032	0.005	0.058	0.007	4.246	0.775	0.003	0.007
	aPFC	-0.013	-0.043	0.017	0.008	-1.515	-0.277	0.674	1.000
Prec	V1	0.066	0.036	0.095	0.008	7.920	1.446	3.337e -7	3.534e -7
	aPFC	0.021	9.485e -4	0.042	0.006	3.700	0.675	0.013	0.032
V1	aPFC	-0.044	-0.080	-0.009	0.010	-4.402	-0.804	0.003	0.005

Note. Cohen's d does not correct for multiple comparisons.

Note. Bonferroni adjusted confidence intervals.

Descriptives

Descriptives

ROI	Mean	SD	N
LTL	0.466	0.067	30
IFG	0.436	0.051	30
Prec	0.436	0.049	30
ATL	0.392	0.039	30
aPFC	0.415	0.059	30
Ins	0.413	0.034	30
ACC	0.428	0.052	30
PCC	0.402	0.030	30
V1	0.371	0.030	30

Descriptives Plot
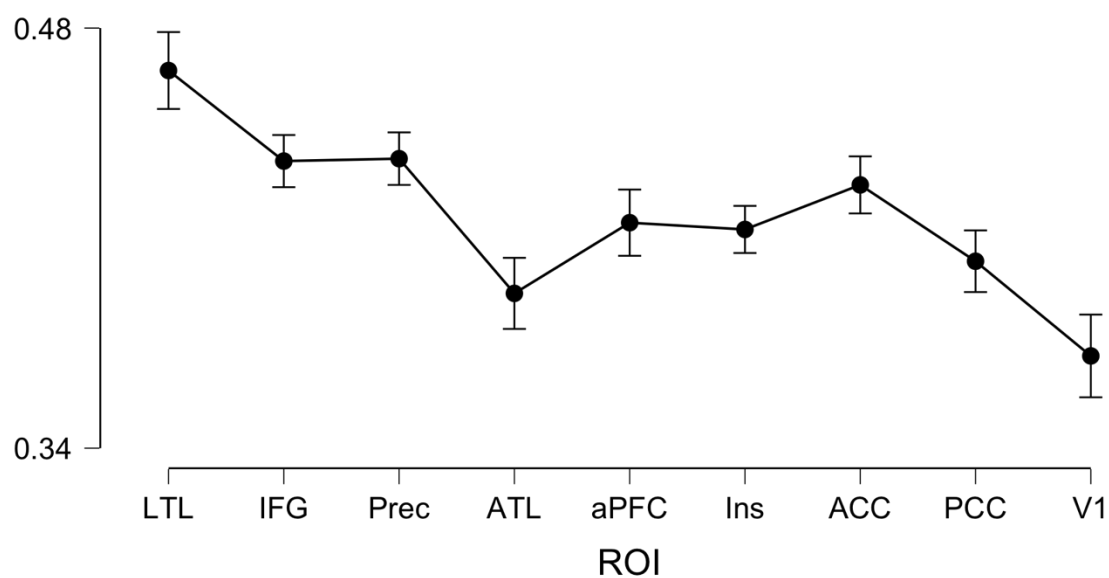
Repeated Measures ANOVA

Within Subjects Effects

	Sum of Squares	df	Mean Square	F	p
ROI	0.095	8	0.012	24.114	8.625e -27
Residual	0.114	232	4.924e -4		
Condition	2.331	1	2.331	273.462	2.645e -16
Residual	0.247	29	0.009		
ROI ∗ Condition	0.096 [a]	8 [a]	0.012 [a]	20.719 [a]	1.426e -23 [a]
Residual	0.134	232	5.762e -4		

Note. Type III Sum of Squares

[a] Mauchly's test of sphericity indicates that the assumption of sphericity is violated (p < .05).

Between Subjects Effects

	Sum of Squares	df	Mean Square	F	p
Residual	0.191	29	0.007		

Note. Type III Sum of Squares

Descriptives

Descriptives Plot