Results

Repeated Measures ANOVA

Within Subjects Effects

	Sphericity Correction	Sum of Squares	df	Mean Square	F	p	η²	η² p
Region of Interest	Greenhouse-Geisser	0.068 [a]	5.962 [a]	0.011 [a]	6.851 [a]	< .001 [a]	0.191	0.191
Residual	Greenhouse-Geisser	0.288	172.902	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	η²	η² p
Residual	0.334	29	0.012				

Note. Type III Sum of Squares

Assumption Checks

Test of Sphericity

	Mauchly's W	p	Greenhouse-Geisser ε	Huynh-Feldt ε
Region of Interest	0.090	0.041	0.662	0.853

Post Hoc Tests

Post Hoc Comparisons - Region of Interest

		Mean Difference	SE	t	Cohen's d	p bonf	p holm
LTL	IFG	0.017	0.008	2.168	0.396	1.000	0.949
	Prec	0.009	0.007	1.391	0.254	1.000	1.000
	ATL	0.029	0.010	2.900	0.529	0.317	0.232
	aPFC	0.030	0.009	3.434	0.627	0.081	0.067
	Ins	0.030	0.007	3.979	0.726	0.019	0.017
	ACC	0.016	0.009	1.840	0.336	1.000	1.000
	PCC	0.024	0.009	2.817	0.514	0.389	0.271
	V1	0.056	0.010	5.767	1.053	< .001	< .001
	PM	0.040	0.007	6.137	1.120	< .001	< .001
IFG	Prec	-0.008	0.007	-1.181	-0.216	1.000	1.000
	ATL	0.012	0.010	1.246	0.227	1.000	1.000
	aPFC	0.013	0.010	1.266	0.231	1.000	1.000
	Ins	0.013	0.006	2.175	0.397	1.000	0.949
	ACC	-0.001	0.008	-0.173	-0.032	1.000	1.000
	PCC	0.007	0.008	0.930	0.170	1.000	1.000
	V1	0.039	0.009	4.313	0.787	0.008	0.007
	PM	0.023	0.006	3.662	0.669	0.045	0.039

Post Hoc Comparisons - Region of Interest

		Mean Difference	SE	t	Cohen's d	p_{bonf}	p_{holm}
Prec	ATL	0.020	0.009	2.146	0.392	1.000	0.949
	aPFC	0.021	0.008	2.676	0.489	0.546	0.364
	Ins	0.020	0.007	2.929	0.535	0.295	0.223
	ACC	0.007	0.007	0.946	0.173	1.000	1.000
	PCC	0.015	0.007	2.195	0.401	1.000	0.945
	V1	0.047	0.009	5.277	0.964	< .001	< .001
	PM	0.031	0.006	4.893	0.893	0.002	0.001
ATL	aPFC	4.468e -4	0.009	0.050	0.009	1.000	1.000
	Ins	3.567e -4	0.010	0.035	0.006	1.000	1.000
	ACC	-0.014	0.010	-1.309	-0.239	1.000	1.000
	PCC	-0.005	0.009	-0.590	-0.108	1.000	1.000
	V1	0.027	0.009	2.825	0.516	0.381	0.271
	PM	0.011	0.010	1.067	0.195	1.000	1.000
aPFC	Ins	-9.007e -5	0.010	-0.009	-0.002	1.000	1.000
	ACC	-0.014	0.009	-1.627	-0.297	1.000	1.000
	PCC	-0.006	0.010	-0.566	-0.103	1.000	1.000
	V1	0.026	0.011	2.411	0.440	1.000	0.630
	PM	0.010	0.010	1.052	0.192	1.000	1.000
Ins	ACC	-0.014	0.008	-1.676	-0.306	1.000	1.000
	PCC	-0.005	0.007	-0.756	-0.138	1.000	1.000
	V1	0.026	0.008	3.115	0.569	0.185	0.144
	PM	0.010	0.006	1.596	0.291	1.000	1.000
ACC	PCC	0.008	0.008	1.015	0.185	1.000	1.000
	V1	0.040	0.011	3.554	0.649	0.059	0.050
	PM	0.024	0.010	2.538	0.463	0.756	0.487
PCC	V1	0.032	0.010	3.237	0.591	0.136	0.109
	PM	0.016	0.008	2.000	0.365	1.000	1.000
V1	PM	-0.016	0.007	-2.310	-0.422	1.000	0.761

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

Descriptives

Descriptives

Region of Interest	Mean	SD	N
LTL	0.441	0.057	30
IFG	0.423	0.044	30
Prec	0.431	0.043	30
ATL	0.411	0.049	30
aPFC	0.411	0.060	30
Ins	0.411	0.038	30
ACC	0.425	0.054	30
PCC	0.416	0.034	30
V1	0.385	0.038	30
PM	0.401	0.039	30

Descriptives Plot