Results

Repeated Measures ANOVA

Within Subjects Effects

	Sphericity Correction	Sum of Squares	df	Mean Square	F	p	η² _p	ω²
ROI	Greenhouse-Geisser	0.108	5.525	0.020	19.764	< .001	0.405	0.190
Residual	Greenhouse-Geisser	0.158	160.232	9.868e -4				
Condition	Greenhouse-Geisser	0.168	1.000	0.168	18.262	< .001	0.386	0.224
Residual	Greenhouse-Geisser	0.266	29.000	0.009				
ROI * Condition	Greenhouse-Geisser	0.076 a	5.443 a	0.014	15.354	a < .001	a 0.346	0.144
Residual	Greenhouse-Geisser	0.143	157.838	9.053e -4				

Note. Type III Sum of Squares

Between Subjects Effects

	Sum of Squares	df	Mean Square F p η ² _p ω ²
Residual	0.264	29	0.009

Note. Type III Sum of Squares

Post Hoc Tests

Post Hoc Comparisons - ROI * Condition

			95% CI o Differ					
		Mean Difference	Lower	Upper	SE	t	Cohen's d	p _{bonf}
ACC,Chance	ACC,Estimate	-0.066	-0.105	-0.027	0.010	-6.443	-1.176 <	< .001
	ATL,Chance	0.012	-0.012	0.036	0.007	1.812	0.331	1.000
	ATL,Estimate	-0.013	-0.052	0.026	0.010	-1.271	-0.232	1.000
	IFG,Chance	2.991e -4	-0.024	0.024	0.007	0.045	0.008	1.000
	IFG,Estimate	-0.040	-0.079	-4.667e -4	0.010	-3.825	-0.698	0.043
	Ins,Chance	-0.005	-0.029	0.019	0.007	-0.771	-0.141	1.000
	Ins,Estimate	-0.021	-0.060	0.018	0.010	-2.039	-0.372	1.000
	LTL,Chance	-0.007	-0.030	0.017	0.007	-0.996	-0.182	1.000
	LTL,Estimate	-0.069	-0.108	-0.030	0.010	-6.636	-1.212 <	< .001
	PCC,Chance	-2.312e -4	-0.024	0.024	0.007	-0.035	-0.006	1.000
	PCC,Estimate	-0.023	-0.062	0.016	0.010	-2.266	-0.414	1.000
	Prec,Chance	6.995e -6	-0.024	0.024	0.007	0.001	1.942e -4	1.000
	Prec,Estimate	-0.054	-0.093	-0.014	0.010	-5.183	-0.946 <	< .001
	V1,Chance	0.003	-0.021	0.027	0.007	0.475	0.087	1.000
	V1,Estimate	0.016	-0.023	0.055	0.010	1.554	0.284	1.000
	aPFC,Chance	0.006	-0.018	0.029	0.007	0.861	0.157	1.000
	aPFC,Estimate	-0.039	-0.078	-1.822e -5	0.010	-3.782	-0.690	0.050
ACC,Estimate	e ATL,Chance	0.078	0.039	0.117	0.010	7.530	1.375 <	< .001
	ATL, Estimate	0.053	0.029	0.077	0.007	8.022	1.465 <	< .001
	IFG,Chance	0.066	0.027	0.105	0.010	6.406	1.170 <	< .001

 $^{^{\}rm a}$ Mauchly's test of sphericity indicates that the assumption of sphericity is violated (p < .05).

	nparisons - KOT	9_	95% CI of Mean Difference		_		
		Mean Difference	Lower	Upper	SE	t	$\begin{array}{cc} Cohen's \\ d \end{array} p_{bonf}$
	IFG,Estimate	0.026	0.003	0.050	0.007	4.009	0.732 0.011
	Ins,Chance	0.061	0.022	0.100	0.010	5.886	1.075 < .001
	Ins,Estimate	0.045	0.021	0.069	0.007	6.815	1.244 < .001
	LTL,Chance	0.059	0.020	0.098	0.010	5.743	1.048 < .001
	LTL,Estimate	-0.003	-0.026	0.021	0.007	-0.407	-0.074 1.000
	PCC,Chance	0.066	0.027	0.105	0.010	6.355	1.160 < .001
	PCC,Estimate	0.042	0.019	0.066	0.007	6.459	1.179 < .001
	Prec,Chance	0.066	0.027	0.105	0.010	6.378	1.164 < .001
	Prec,Estimate	0.012	-0.011	0.036	0.007	1.875	0.342 1.000
	V1,Chance	0.069	0.030	0.108	0.010	6.679	1.219 < .001
	V1,Estimate	0.082	0.058	0.106	0.007	12.461	2.275 < .001
	aPFC,Chance	0.072	0.032	0.111	0.010	6.925	1.264 < .001
	aPFC,Estimate	0.027	0.003			4.077	0.744 0.008
ATL,Chance	ATL,Estimate	-0.025	-0.064	0.014	0.010	-2.449	-0.447 1.000
	IFG,Chance	-0.012	-0.035	0.012	0.007	-1.766	-0.322 1.000
	IFG,Estimate	-0.051	-0.090	-0.012	0.010	-4.978	- 0.909 < .001
	Ins,Chance	-0.017	-0.041	0.007	0.007	-2.583	-0.472 1.000
	Ins,Estimate	-0.033	-0.072	0.006	0.010	-3.193	-0.583 0.324
	LTL,Chance	-0.018	-0.042	0.005	0.007	-2.808	-0.513 0.795
	LTL,Estimate	-0.080	-0.120	-0.041	0.010	-7.789	-1.422 < .001
	PCC,Chance	-0.012	-0.036	0.012	0.007	-1.847	-0.337 1.000
	PCC,Estimate	-0.035	-0.074	0.004	0.010	-3.419	-0.624 0.161
	Prec,Chance	-0.012	-0.036	0.012	0.007	-1.811	-0.331 1.000
	Prec,Estimate	-0.065	-0.105	-0.026	0.010	-6.336	-1.157 < .001
	V1,Chance	-0.009	-0.033	0.015	0.007	-1.337	-0.244 1.000
	V1,Estimate	0.004	-0.035	0.043	0.010	0.401	0.073 1.000
	aPFC,Chance	-0.006	-0.030	0.018	0.007	-0.951	-0.174 1.000
	aPFC,Estimate	-0.051	-0.090	-0.012	0.010	-4.935	- 0.901 < .001
ATL,Estimate	IFG,Chance	0.013	-0.026	0.052	0.010	1.300	0.237 1.000
	IFG,Estimate	-0.026	-0.050	-0.003	0.007	-4.014	-0.733 0.011
	Ins,Chance	0.008	-0.031	0.047	0.010	0.780	0.142 1.000
	Ins,Estimate	-0.008	-0.032	0.016	0.007	-1.208	-0.221 1.000
	LTL,Chance	0.007	-0.032	0.046	0.010	0.637	0.116 1.000
	LTL,Estimate	-0.055	-0.079	-0.032	0.007	-8.430	-1.539 < .001
	PCC,Chance	0.013	-0.026	0.052	0.010	1.248	0.228 1.000
	PCC,Estimate	-0.010	-0.034	0.014	0.007	-1.563	-0.285 1.000
	Prec,Chance	0.013	-0.026	0.052	0.010	1.271	0.232 1.000
	Prec,Estimate	-0.040	-0.064	-0.017	0.007	-6.147	-1.122 < .001
	V1,Chance	0.016	-0.023	0.055	0.010	1.573	0.287 1.000
	V1,Estimate	0.029	0.005	0.053	0.007	4.438	0.810 0.002
	aPFC,Chance	0.019	-0.020	0.058	0.010	1.819	0.332 1.000
	aPFC,Estimate	-0.026	-0.050	-0.002	0.007	-3.945	-0.720 0.014
IFG,Chance	IFG,Estimate	-0.040	-0.079	-0.001	0.010	-3.894	-0.711 0.036
	Ins,Chance	-0.005	-0.029	0.018	0.007	-0.817	-0.149 1.000
	Ins,Estimate	-0.021	-0.060	0.018	0.010	-2.068	-0.378 1.000
	LTL,Chance	-0.007	-0.031	0.017	0.007	-1.042	-0.190 1.000

	<u> </u>		95% CI of Mean Difference		_			
		Mean Difference	Lower	Upper	SE	t	Cohen's d	p bonf
	LTL,Estimate	-0.069	-0.108	-0.030	0.010	-6.665	-1.217	< .001
	PCC,Chance	-5.303e -4	-0.024	0.023	0.007	-0.081	-0.015	1.000
	PCC,Estimate	-0.024	-0.063	0.015	0.010	-2.295	-0.419	1.000
	Prec,Chance	-2.921e -4	-0.024	0.024	0.007	-0.044	-0.008	1.000
	Prec,Estimate	-0.054	-0.093	-0.015	0.010	-5.212	-0.952	< .001
	V1,Chance	0.003	-0.021	0.027	0.007	0.429	0.078	1.000
	V1,Estimate	0.016	-0.023	0.055	0.010	1.525	0.278	1.000
	aPFC,Chance	0.005	-0.018	0.029	0.007	0.815	0.149	1.000
	aPFC,Estimate	-0.039	-0.078	-3.173e -4	0.010	-3.811	-0.696	0.045
IFG,Estimate	Ins,Chance	0.034	-0.005	0.074	0.010	3.335	0.609	0.210
	Ins,Estimate	0.018	-0.005	0.042	0.007	2.806	0.512	0.800
	LTL,Chance	0.033	-0.006	0.072	0.010	3.191	0.583	0.325
	LTL,Estimate	-0.029	-0.053	-0.005	0.007	-4.416	-0.806	0.002
	PCC,Chance	0.039	2.354e -4	0.078	0.010	3.803		0.046
	PCC,Estimate	0.016	-0.008	0.040	0.007	2.450	0.447	1.000
	Prec,Chance	0.040	4.737e -4	0.079	0.010			0.043
	Prec, Estimate	-0.014	-0.038	0.010	0.007	-2.134	-0.390	
	V1,Chance	0.043	0.004		0.010			0.015
	V1,Estimate	0.056	0.032		0.007			< .001
	aPFC,Chance	0.045	0.006		0.010			0.006
	aPFC,Estimate	4.484e -4	-0.023		0.007			1.000
Ins,Chance	Ins,Estimate	-0.016	-0.055			-1.565	-0.286	
,	LTL,Chance	-0.001	-0.025			-0.225	-0.041	
	LTL,Estimate	-0.063	-0.103			-6.145	-1.122	
	PCC,Chance	0.005	-0.019			0.736		1.000
	PCC,Estimate	-0.018	-0.057			-1.775	-0.324	
	Prec,Chance	0.005	-0.019			0.772		1.000
	Prec,Estimate	-0.048	-0.088			-4.693	-0.857	
	V1,Chance	0.008	-0.016		0.007	1.246		1.000
	V1,Estimate	0.021	-0.018		0.010			1.000
	aPFC,Chance	0.011	-0.013		0.007			1.000
	aPFC,Estimate	-0.034	-0.073			-3.291	-0.601	
Ins,Estimate	LTL,Chance	0.015	-0.025		0.010			1.000
,200111000	LTL,Estimate	-0.047	-0.071			-7.222	-1.319	
	PCC,Chance	0.021	-0.018			2.017		1.000
	PCC,Estimate	-0.002	-0.026			-0.356	-0.065	
	Prec,Chance	0.021	-0.018			2.040		1.000
	Prec,Estimate	-0.032	-0.056			-4.939	-0.902	
	V1,Chance	0.024	-0.015		0.010			1.000
	V1,Estimate	0.024	0.013		0.010			< .001
	aPFC,Chance	0.037	-0.013		0.007			1.000
	aPFC,Estimate	-0.018	-0.012			-2.738	-0.500	
LTL,Chance	LTL,Estimate	-0.018	-0.042 -0.101			-6.065	-1.107	
L 1 L, Chance	PCC,Chance	0.002	-0.101			0.961		1.000
	PCC, Estimate	-0.017	-0.017			-1.632	-0.298	
	Prec, Chance					0.997		1.000
	r 160, Chance	0.007	-0.017	0.030	0.00/	0.99/	0.182	1.000

Post Hoc Comparisons - ROI * Condition

		95% CI of Mean Difference						
		Mean Difference	Lower	Upper	SE	t	Cohen's d	p bonf
	Prec,Estimate	-0.047	-0.086	-0.008	0.010	-4.549	-0.831	0.003
	V1,Chance	0.010	-0.014	0.033	0.007	1.471	0.269	1.000
	V1,Estimate	0.023	-0.016	0.062	0.010	2.188	0.400	1.000
	aPFC,Chance	0.012	-0.012	0.036	0.007	1.857	0.339	1.000
	aPFC,Estimate	-0.033	-0.072	0.007	0.010	-3.148	-0.575	0.370
LTL,Estimate	PCC,Chance	0.068	0.029	0.107	0.010	6.614	1.208	< .001
	PCC,Estimate	0.045	0.021	0.069	0.007	6.866	1.254	< .001
	Prec,Chance	0.069	0.030	0.108	0.010	6.637	1.212	< .001
	Prec,Estimate	0.015	-0.009	0.039	0.007	2.282	0.417	1.000
	V1,Chance	0.072	0.033	0.111	0.010	6.938	1.267	< .001
	V1,Estimate	0.085	0.061	0.108	0.007	12.868	2.349	< .001
	aPFC,Chance	0.074	0.035	0.113	0.010	7.184	1.312	< .001
	aPFC,Estimate	0.029	0.006	0.053	0.007	4.484	0.819	0.001
PCC,Chance	PCC,Estimate	-0.023	-0.062	0.016	0.010	-2.267	-0.414	1.000
	Prec,Chance	2.382e -4	-0.024	0.024	0.007	0.036	0.007	1.000
	Prec,Estimate	-0.053	-0.092	-0.014	0.010	-5.161	-0.942	< .001
	V1,Chance	0.003	-0.020	0.027	0.007	0.510	0.093	1.000
	V1,Estimate	0.016	-0.023	0.055	0.010	1.577	0.288	1.000
	aPFC,Chance	0.006	-0.018	0.030	0.007	0.896	0.164	1.000
	aPFC,Estimate	-0.039	-0.078	2.130e -4	0.010	-3.760	-0.686	0.054
PCC,Estimate	Prec,Chance	0.023	-0.016	0.062	0.010	2.266	0.414	1.000
	Prec,Estimate	-0.030	-0.054	-0.006	0.007	-4.584	-0.837	< .001
	V1,Chance	0.027	-0.013	0.066	0.010	2.568	0.469	1.000
	V1,Estimate	0.039	0.016	0.063	0.007	6.002	1.096	< .001
	aPFC,Chance	0.029	-0.010	0.068	0.010	2.814	0.514	0.972
	aPFC,Estimate	-0.016	-0.039	0.008	0.007	-2.382	-0.435	1.000
Prec,Chance	Prec,Estimate	-0.054	-0.092	-0.015	0.010	-5.238	-0.956	< .001
	V1,Chance	0.003	-0.021	0.027	0.007	0.474	0.086	1.000
	V1,Estimate	0.016	-0.023	0.055	0.010	1.554	0.284	1.000
	aPFC,Chance	0.006	-0.018	0.029	0.007	0.860	0.157	1.000
	aPFC,Estimate	-0.039	-0.078	-2.521e -5	0.010	-3.783	-0.691	0.050
Prec,Estimate	V1,Chance	0.057	0.018	0.096	0.010	5.486	1.002	< .001
	V1,Estimate	0.070	0.046	0.093	0.007	10.586	1.933	< .001
	aPFC,Chance	0.059	0.020	0.098	0.010	5.731	1.046	< .001
	aPFC,Estimate	0.014	-0.009	0.038	0.007	2.202	0.402	1.000
V1,Chance	V1,Estimate	0.013	-0.026	0.052	0.010	1.265	0.231	1.000
	aPFC,Chance	0.003	-0.021	0.026	0.007	0.386	0.071	1.000
	aPFC,Estimate	-0.042	-0.081	-0.003	0.010	-4.084	-0.746	0.018
V1,Estimate	aPFC,Chance	-0.010	-0.049	0.029	0.010	-1.006	-0.184	
•	aPFC,Estimate	-0.055	-0.079			-8.384	-1.531	
aPFC,Chance	aPFC,Estimate	-0.045	-0.084	-0.006	0.010	-4.375	-0.799	0.007

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

Note. Bonferroni adjusted confidence intervals.

Descriptives

Descriptives

ROI	Condition	Mean	SD	N
LTL	Estimate	0.606	0.057	30
	Chance	0.544	0.034	30
IFG	Estimate	0.577	0.050	30
	Chance	0.537	0.029	30
Prec	Estimate	0.591	0.047	30
	Chance	0.538	0.032	30
ATL	Estimate	0.551	0.045	30
	Chance	0.526	0.030	30
aPFC	Estimate	0.577	0.058	30
	Chance	0.532	0.032	30
Ins	Estimate	0.559	0.032	30
	Chance	0.543	0.029	30
ACC	Estimate	0.603	0.061	30
	Chance	0.538	0.023	30
PCC	Estimate	0.561	0.036	30
	Chance	0.538	0.032	30
V1	Estimate	0.521	0.029	30
	Chance	0.534	0.033	30

Descriptives Plot

