

Results

Bayesian Repeated Measures ANOVA

Model Comparison

Models	P(M)	P(M data)	BF _M	BF ₁₀	error %
Null model (incl. subject)	0.053	0.524	19.855	1.000	
Hemisphere	0.053	0.138	2.871	0.262	1.021
Group	0.053	0.137	2.846	0.260	0.909
DollRace	0.053	0.080	1.562	0.152	0.916
Hemisphere + Group	0.053	0.037	0.695	0.071	2.201
DollRace + Group	0.053	0.023	0.422	0.044	4.627
Hemisphere + DollRace	0.053	0.021	0.384	0.040	1.510
DollRace + Group + DollRace * Group	0.053	0.013	0.245	0.026	2.237
Hemisphere + Group + Hemisphere * Group	0.053	0.007	0.136	0.014	3.639
Hemisphere + DollRace + Hemisphere * DollRace	0.053	0.006	0.102	0.011	2.348
Hemisphere + DollRace + Group	0.053	0.005	0.099	0.010	2.175
Hemisphere + DollRace + Group + DollRace * Group	0.053	0.004	0.069	0.007	6.876
Hemisphere + DollRace + Group + Hemisphere * DollRace	0.053	0.001	0.026	0.003	2.411
Hemisphere + DollRace + Group + Hemisphere * Group	0.053	0.001	0.020	0.002	2.300
Hemisphere + DollRace + Group + Hemisphere * DollRace + DollRace * Group	0.053	9.410e-4	0.017	0.002	3.908
Hemisphere + DollRace + Group + Hemisphere * Group + DollRace * Group	0.053	7.515e-4	0.014	0.001	4.421
Hemisphere + DollRace + Group + Hemisphere * DollRace + Hemisphere * Group	0.053	2.821e-4	0.005	5.379e-4	2.829
Hemisphere + DollRace + Group + Hemisphere * DollRace + Hemisphere * Group + DollRace * Group	0.053	1.896e-4	0.003	3.615e-4	3.991
Hemisphere + DollRace + Group + Hemisphere * DollRace + Hemisphere * Group + DollRace * Group + Hemisphere * DollRace * Group	0.053	7.729e-5	0.001	1.474e-4	22.227

Note. All models include subject

Post Hoc Tests

Post Hoc Comparisons - Group

	Prior Odds	Posterior Odds	BF _{10, U}	error %
Diverse Non-diverse	1.000	0.241	0.241	1.359e-5

Note. The posterior odds have been corrected for multiple testing by fixing to 0.5 the prior probability that the null hypothesis holds across all comparisons (Westfall, Johnson, & Utts, 1997). Individual comparisons are based on the default t-test with a Cauchy (0, r = 1/sqrt(2)) prior. The "U" in the Bayes factor denotes that it is uncorrected.

Post Hoc Comparisons - DollRace

	Prior Odds	Posterior Odds	BF _{10, U}	error %
White Non-white	1.000	0.112	0.112	1.092e-5

Note. The posterior odds have been corrected for multiple testing by fixing to 0.5 the prior probability that the null hypothesis holds across all comparisons (Westfall, Johnson, & Utts, 1997). Individual comparisons are based on the default t-test with a Cauchy (0, r = 1/sqrt(2)) prior. The "U" in the Bayes factor denotes that it is uncorrected.

Post Hoc Comparisons - Hemisphere

	Prior Odds	Posterior Odds	BF _{10, U}	error %
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Left	Right	1.000	0.208	0.208	3.281e -6
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Note. The posterior odds have been corrected for multiple testing by fixing to 0.5 the prior probability that the null hypothesis holds across all comparisons (Westfall, Johnson, & Utts, 1997). Individual comparisons are based on the default t-test with a Cauchy (0, $r = 1/\sqrt{2}$) prior. The "U" in the Bayes factor denotes that it is uncorrected.

Descriptives

Hemisphere	DollRace	Group	Mean	SD	N	95% Credible Interval	
						Lower	Upper
Left	Non-white	Diverse	5.014	0.757	29.000	4.726	5.302
		Non-diverse	5.223	0.883	28.000	4.880	5.565
	White	Diverse	5.029	0.854	29.000	4.705	5.354
		Non-diverse	4.992	0.657	28.000	4.737	5.246
Right	Non-white	Diverse	4.811	0.646	29.000	4.565	5.056
		Non-diverse	5.087	0.651	28.000	4.834	5.339
	White	Diverse	5.002	0.759	29.000	4.714	5.291
		Non-diverse	4.959	0.618	28.000	4.719	5.198