

Results

Descriptives - Accuracy (%)

Descriptives

	familiar_match	familiar_mismatch	unfamiliar_match	unfamiliar_mismatch
N	20	20	20	20
Mean	98.61	90.82	96.88	84.15
Median	100.00	95.74	98.28	87.55
Minimum	91.67	62.50	88.46	44.83
Maximum	100.00	100.00	100.00	100.00

Repeated Measures ANOVA - Accuracy (%)

Within Subjects Effects

	Sum of Squares	df	Mean Square	F	p	η^2_p
Familiarity	353.09	1	353.09	5.99	0.024	0.24
Residual	1119.79	19	58.94			
Trial Type	2102.17	1	2102.17	13.39	0.002	0.41
Residual	2983.94	19	157.05			
Familiarity * Trial Type	122.04	1	122.04	2.44	0.135	0.11
Residual	949.78	19	49.99			

Note. Type 3 Sums of Squares

[3]

Between Subjects Effects

	Sum of Squares	df	Mean Square	F	p	η^2_p
Residual	2219.42	19	116.81			

Note. Type 3 Sums of Squares

Descriptives - SDT

Descriptives

	familiar_d	unfamiliar_d	familiar_c	unfamiliar_c
N	20	20	20	20
Mean	3.14	2.81	-0.18	-0.34
Median	3.23	2.83	-0.22	-0.33
Minimum	1.61	1.87	-0.77	-1.14
Maximum	3.84	4.05	0.35	0.43

Paired Samples T-Test - SDT

Paired Samples T-Test

			statistic	df	p	Effect Size	
familiar_d	unfamiliar_d	Student's t	2.18	19.00	0.042	Cohen's d	0.49
familiar_c	unfamiliar_c	Student's t	2.57	19.00	0.019	Cohen's d	0.57

One Sample T-Test - criterion

One Sample T-Test

		Statistic	df	p	Effect Size	
familiar_c	Student's t	-2.60	19.00	0.018	Cohen's d	-0.58
unfamiliar_c	Student's t	-4.01	19.00	< .001	Cohen's d	-0.90

References

- [1] The jamovi project (2020). *jamovi*. (Version 1.2) [Computer Software]. Retrieved from <https://www.jamovi.org>.
- [2] R Core Team (2019). *R: A Language and environment for statistical computing*. (Version 3.6) [Computer software]. Retrieved from <https://cran.r-project.org/>.
- [3] Singmann, H. (2018). *afex: Analysis of Factorial Experiments*. [R package]. Retrieved from <https://cran.r-project.org/package=afex>.