Results

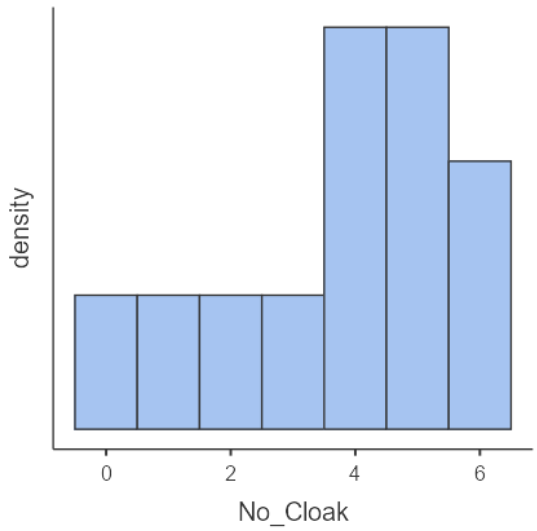
Descriptives

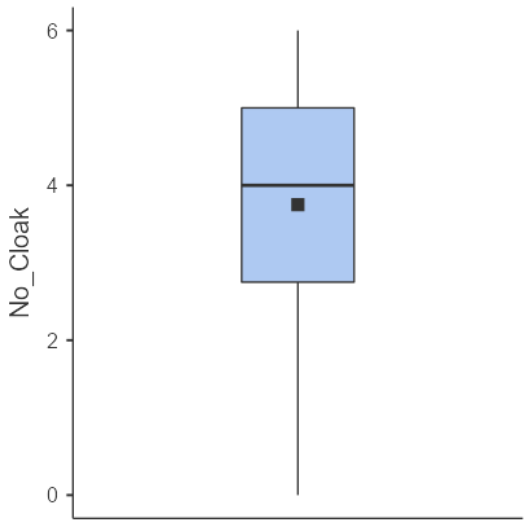
Descriptives

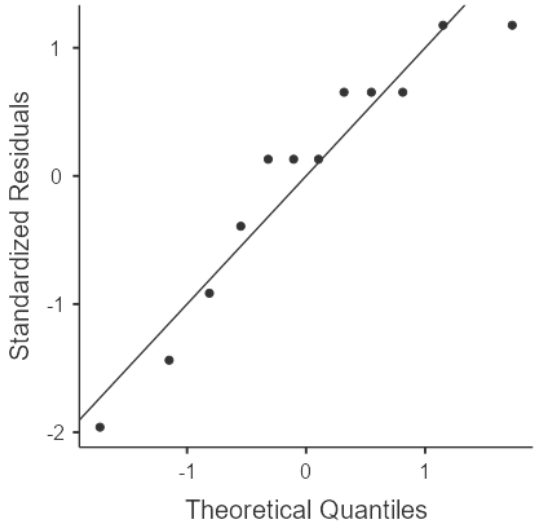
	No_Cloak	Cloak
N	12	12
Missing	0	0
Mean	3.75	5.00
Median	4.00	5.00
Standard deviation	1.91	1.65
Variance	3.66	2.73
Minimum	0.00	2.00
Maximum	6.00	8.00
Skewness	-0.789	0.00
Std. error skewness	0.637	0.637
Kurtosis	-0.229	0.161
Std. error kurtosis	1.23	1.23
Shapiro-Wilk W	0.913	0.973
Shapiro-Wilk p	0.231	0.936

Plots

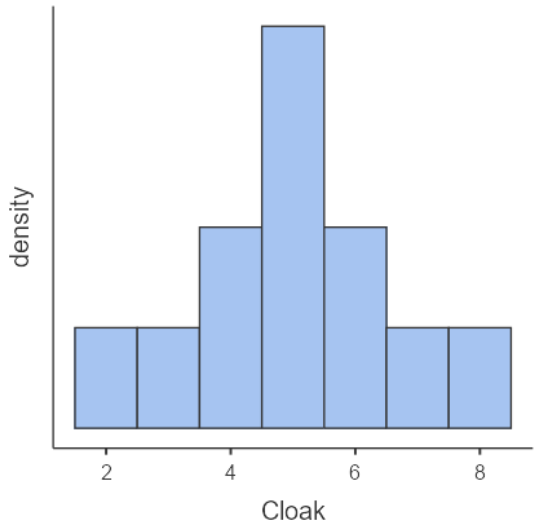
No_Cloak

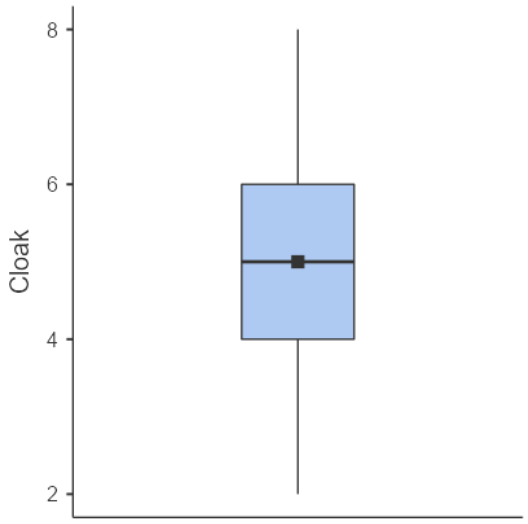


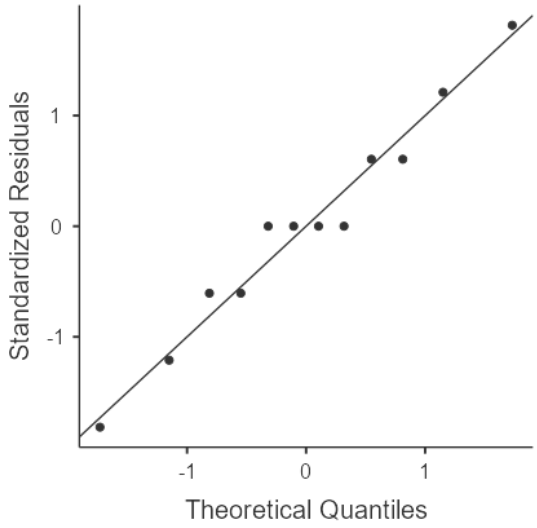



Standardized Residuals
1
0
-1
-2
-1
0
1
Theoretical Quantiles

Cloak


density
2
4
6
8
Cloak


Cloak
8
6
4
2



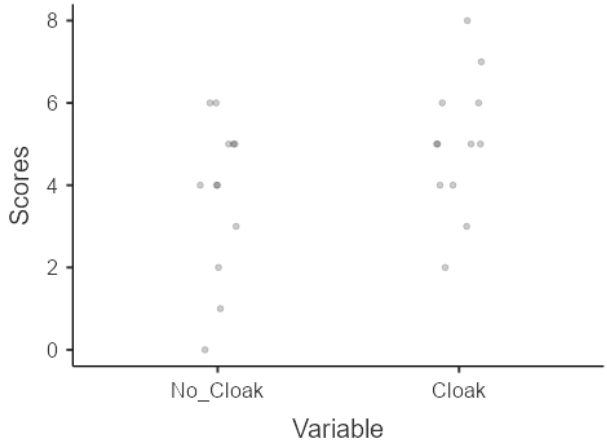
Repeated Measurements

You have entered two related numeric variables. Hence, the paired sample t test seems to be a good option for you! In order to run this test in jamovi, go to: T-Tests > Paired Samples T-Test

- Drop the two paired variables in the box below Paired Variables, one on the left side of the vertical line and one on the right side of the vertical line
- Under Hypothesis, select your alternative hypothesis

If the normality assumption is violated, you could use the non-parametric Wilcoxon signed rank test. Click on the links to learn more about these tests!

Scatter Plot



Paired Samples T-Test

Paired Samples T-Test

									95% Confidence Interval				95% Confidence Interval	
			Statistic	±%	df	p	Mean difference	SE difference	Lower	Upper		Effect Size	Lower	Upper
No_Cloak	Cloak	Student's t	-3.80		11.0	0.003	-1.25	0.329	-1.97	-0.527	Cohen's d	-1.10	-1.81	-0.358
		Bayes factor$_{10}$	16.3	2.92e-7										
		Wilcoxon W	2.50 [a]			0.011	-1.50	0.329	-2.00	-0.500	Rank biserial correlation	-0.909		

[a] 2 pair(s) of values were tied

Normality Test (Shapiro-Wilk)

			W	p
No_Cloak	-	Cloak	0.912	0.228

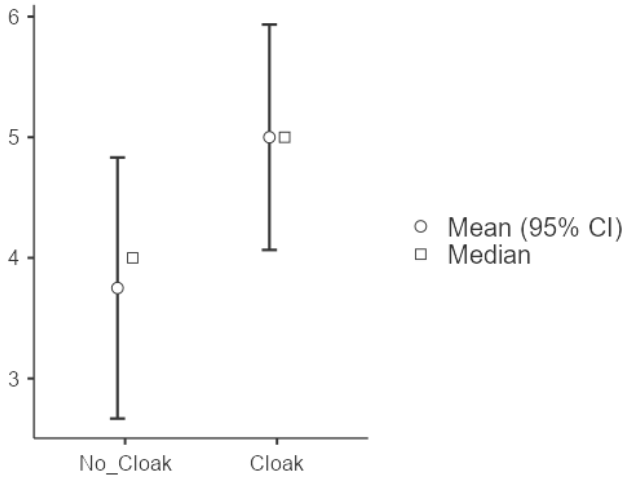
Note. A low p-value suggests a violation of the assumption of normality

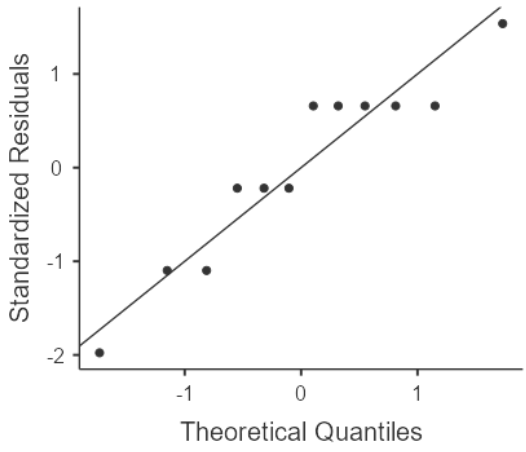
Descriptives

	N	Mean	Median	SD	SE
No_Cloak	12	3.75	4.00	1.91	0.552
Cloak	12	5.00	5.00	1.65	0.477

Plots

No_Cloak - Cloak





Robust Paired Samples T-Test

Robust Paired Samples T-Test

							95% Confidence Interval		
		t	df	p	Mean difference	SE	Lower	Upper	Cohen's d
No_Cloak	Cloak	-2.70	7.00	0.031	-1.00	0.370	-1.87	-0.125	0.398

Bayesian Paired Samples T-Test

Bayesian Paired Samples T-Test

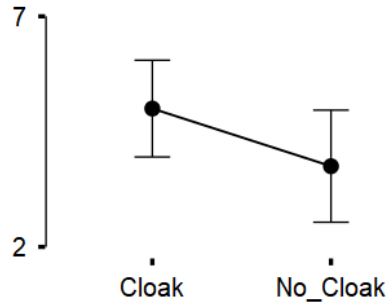
			BF_{10}	error %
No_Cloak	-	Cloak	16.3	2.92e-5

[6] [3] [4]

Descriptives

Descriptives Plot

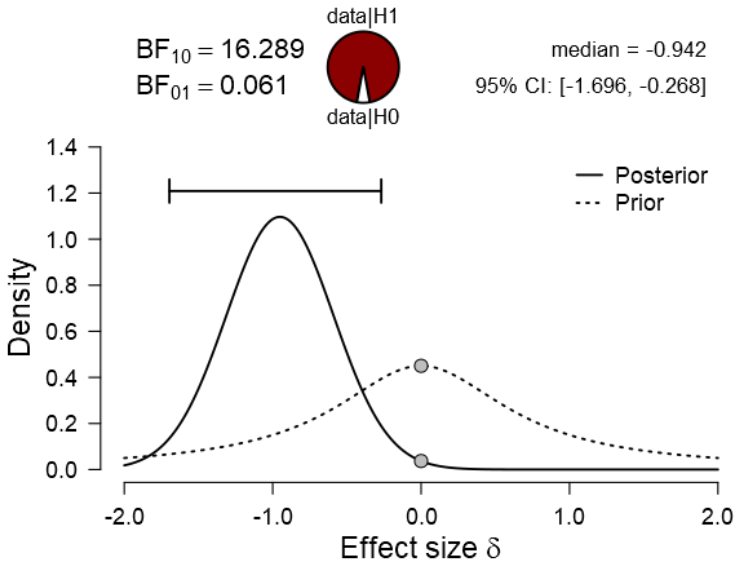
No_Cloak - Cloak



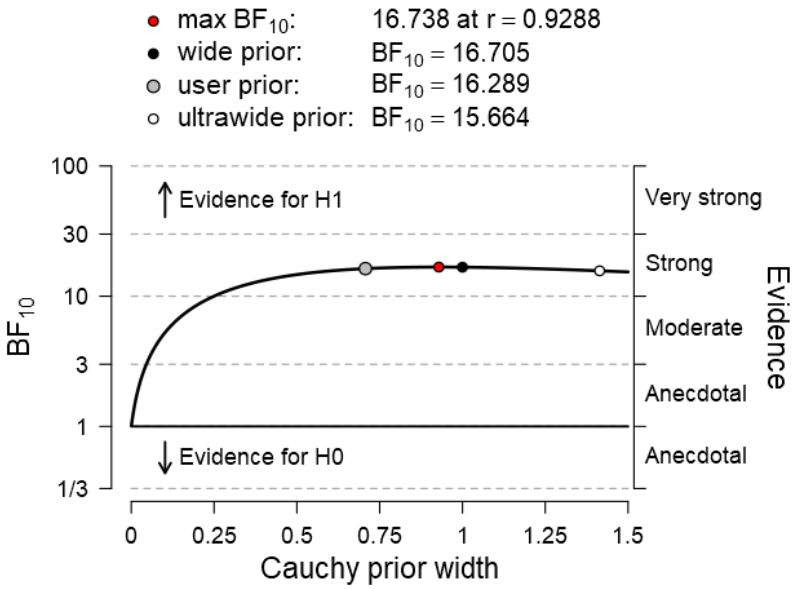
Inferential Plots

No_Cloak - Cloak

Prior and Posterior



Bayes Factor Robustness Check



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[1] The jamovi project (2021). *jamovi*. (Version 1.6) [Computer Software]. Retrieved from https://www.jamovi.org.

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[3] Morey, R. D., & Rouder, J. N. (2018). *BayesFactor: Computation of Bayes Factors for Common Designs*. [R package]. Retrieved from https://cran.r-project.org/package=BayesFactor.

[4] Rouder, J. N., Speckman, P. L., Sun, D., Morey, R. D., & Iverson, G. (2009). Bayesian t tests for accepting and rejecting the null hypothesis. *Psychonomic Bulletin & Review, 16*, 225-237.

[5] Kerby, D. S. (2014). The simple difference formula: An approach to teaching nonparametric correlation. *Comprehensive Psychology, 3*, 2165–2228.

[6] JASP Team (2018). *JASP*. [Computer software]. Retrieved from https://jasp-stats.org.