

# Results

## Paired Samples T-Test

Paired Samples T-Test

	t	df	p	Mean Difference	SE Difference	95% CI for Mean Difference		Cohen's d	95% CI for Cohen's d	
						Lower	Upper		Lower	Upper
LTL_em - LTL_ch	12.365	29	4.361e-13	0.176	0.014	0.147	0.205	2.258	1.572	2.932

Note. Student's t-test.

## Assumption Checks

Test of Normality (Shapiro-Wilk)

		W	p
LTL_em	- LTL_ch	0.977	0.751

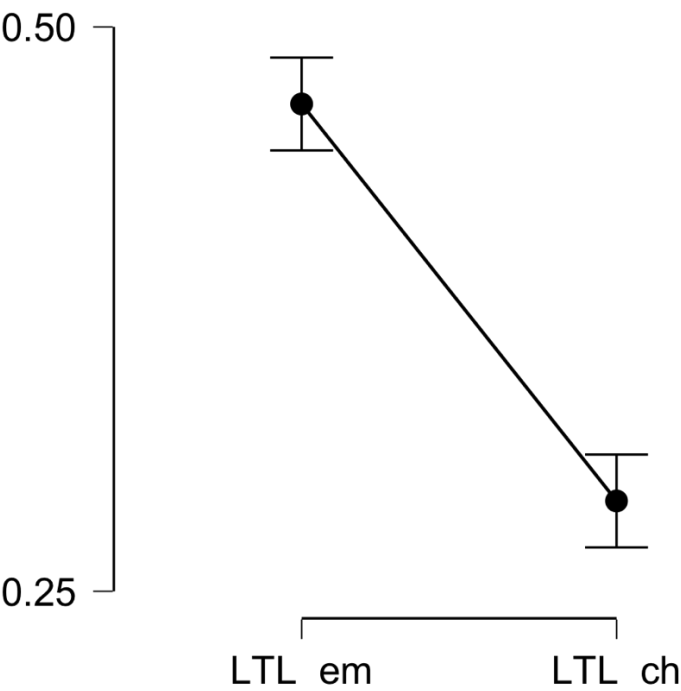
Note. Significant results suggest a deviation from normality.

## Descriptives

Descriptives

	N	Mean	SD	SE
LTL_em	30	0.466	0.067	0.012
LTL_ch	30	0.290	0.021	0.004

Descriptives Plot



Bayesian Paired Samples T-Test

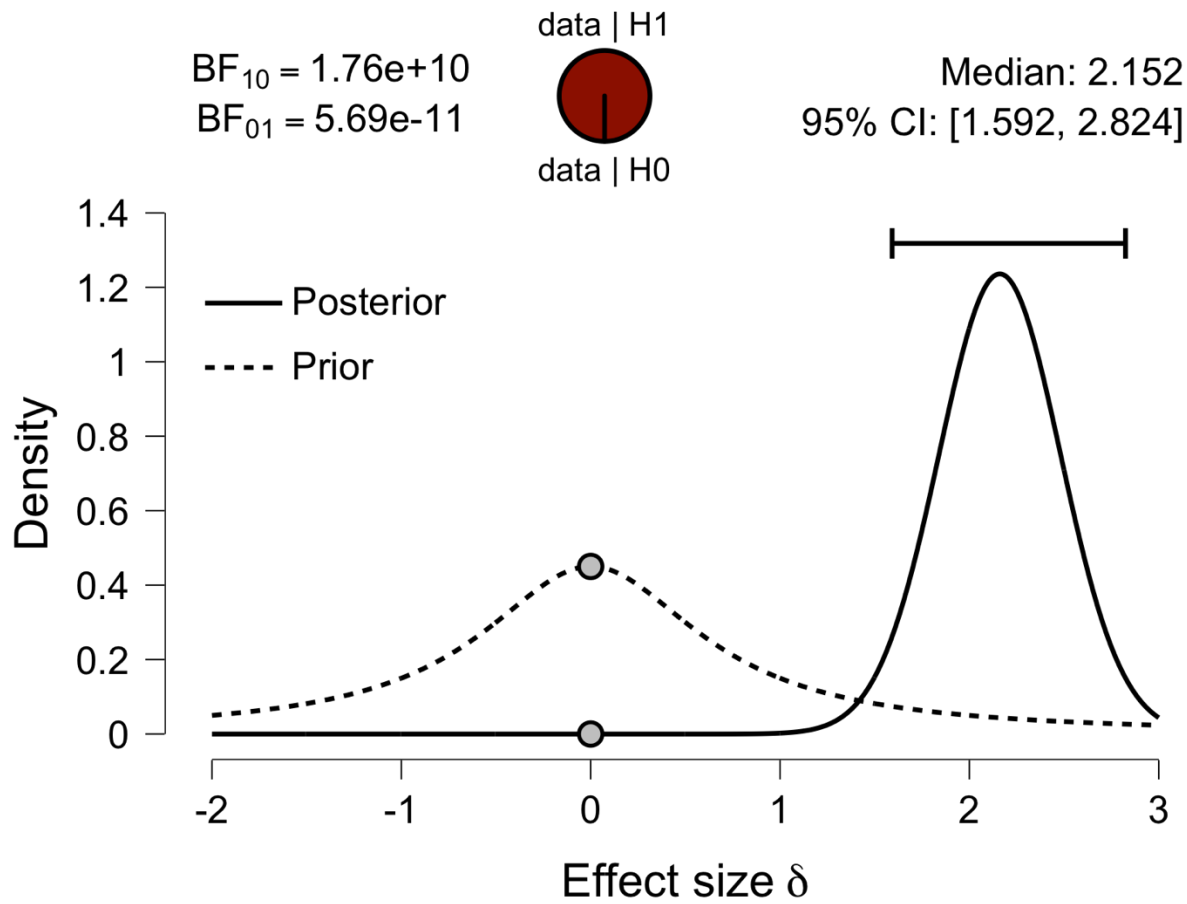
Bayesian Paired Samples T-Test

	BF <sub>10</sub>	error %
LTL_em - LTL_ch	1.756e+10	1.396e-14

Inferential Plots

LTL\_em - LTL\_ch

Prior and Posterior



Paired Samples T-Test

Paired Samples T-Test										
	t	df	p	Mean Difference	SE Difference	95% CI for Mean Difference		Cohen's d	95% CI for Cohen's d	
						Lower	Upper		Lower	Upper
IFG_em - IFG_ch	15.920	29	7.159e - 16	0.153	0.010	0.134	0.173	2.907	2.076	3.727

Note. Student's t-test.

Assumption Checks

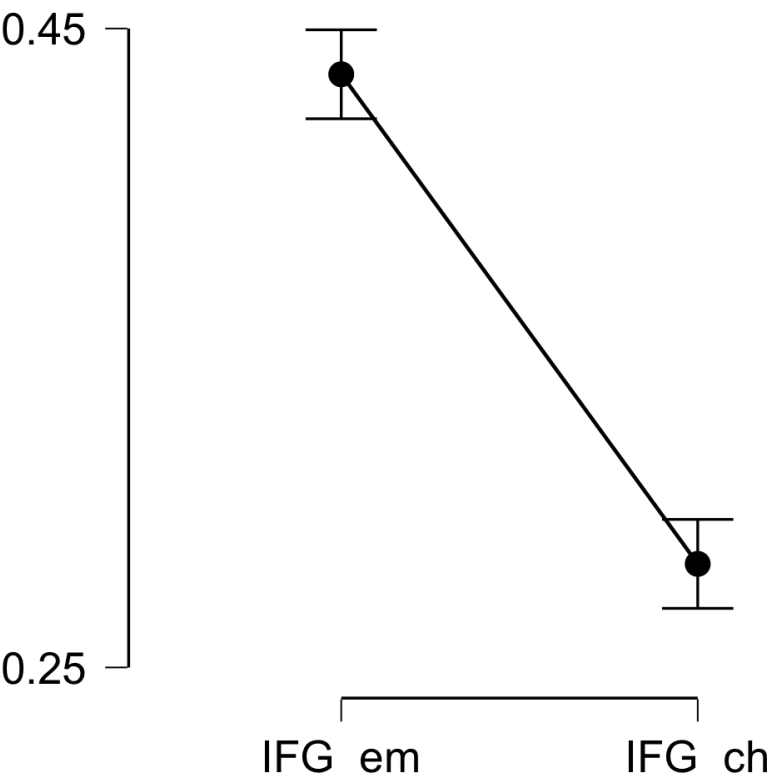
Test of Normality (Shapiro-Wilk)			
		W	p
IFG_em	- IFG_ch	0.971	0.557

Note. Significant results suggest a deviation from normality.

Descriptives

Descriptives				
	N	Mean	SD	SE
IFG_em	30	0.436	0.051	0.009
IFG_ch	30	0.282	0.017	0.003

Descriptives Plot



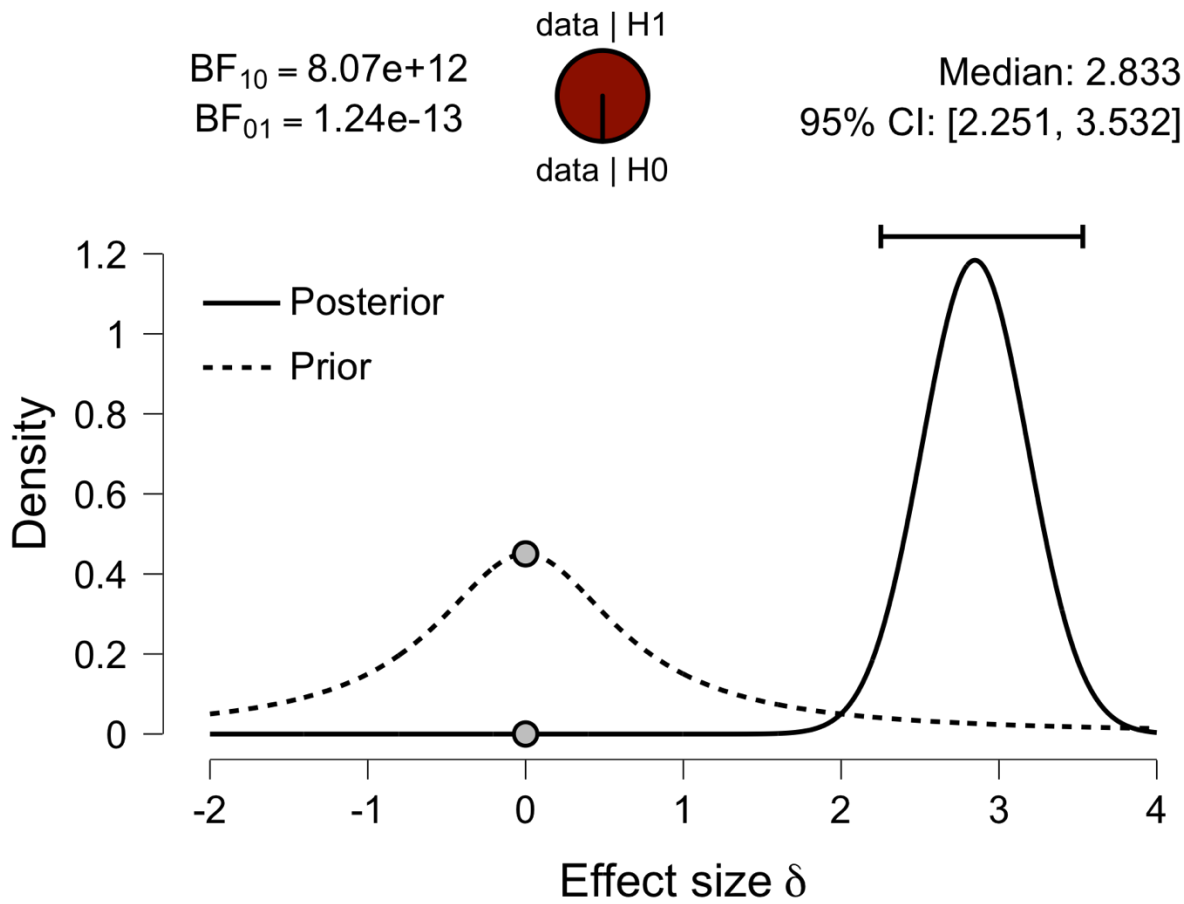
Bayesian Paired Samples T-Test

	BF <sub>10</sub>	error %
IFG_em - IFG_ch	8.071e +12	1.229e -17

Inferential Plots

IFG\_em - IFG\_ch

Prior and Posterior



Paired Samples T-Test

Paired Samples T-Test

	t	df	p	Mean Difference	SE Difference	95% CI for Mean Difference		Cohen's d	95% CI for Cohen's d	
						Lower	Upper		Lower	Upper
Prec_em - Prec_ch	15.142	29	2.634e-15	0.150	0.010	0.130	0.171	2.765	1.966	3.552

Note. Student's t-test.

Assumption Checks

Test of Normality (Shapiro-Wilk)

		W	p
Prec_em	- Prec_ch	0.971	0.572

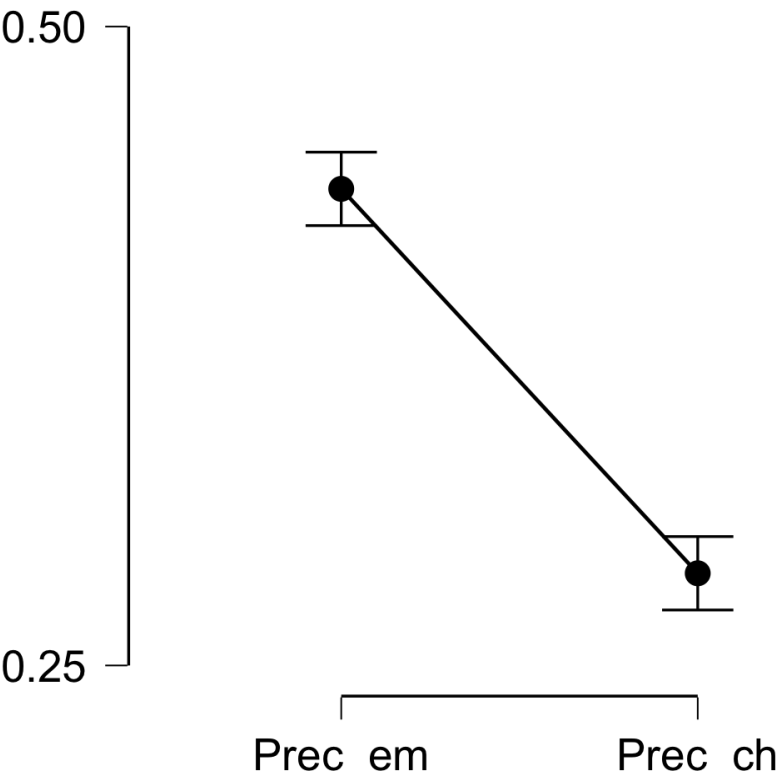
Note. Significant results suggest a deviation from normality.

Descriptives

Descriptives

	N	Mean	SD	SE
Prec_em	30	0.436	0.049	0.009
Prec_ch	30	0.286	0.019	0.004

Descriptives Plot



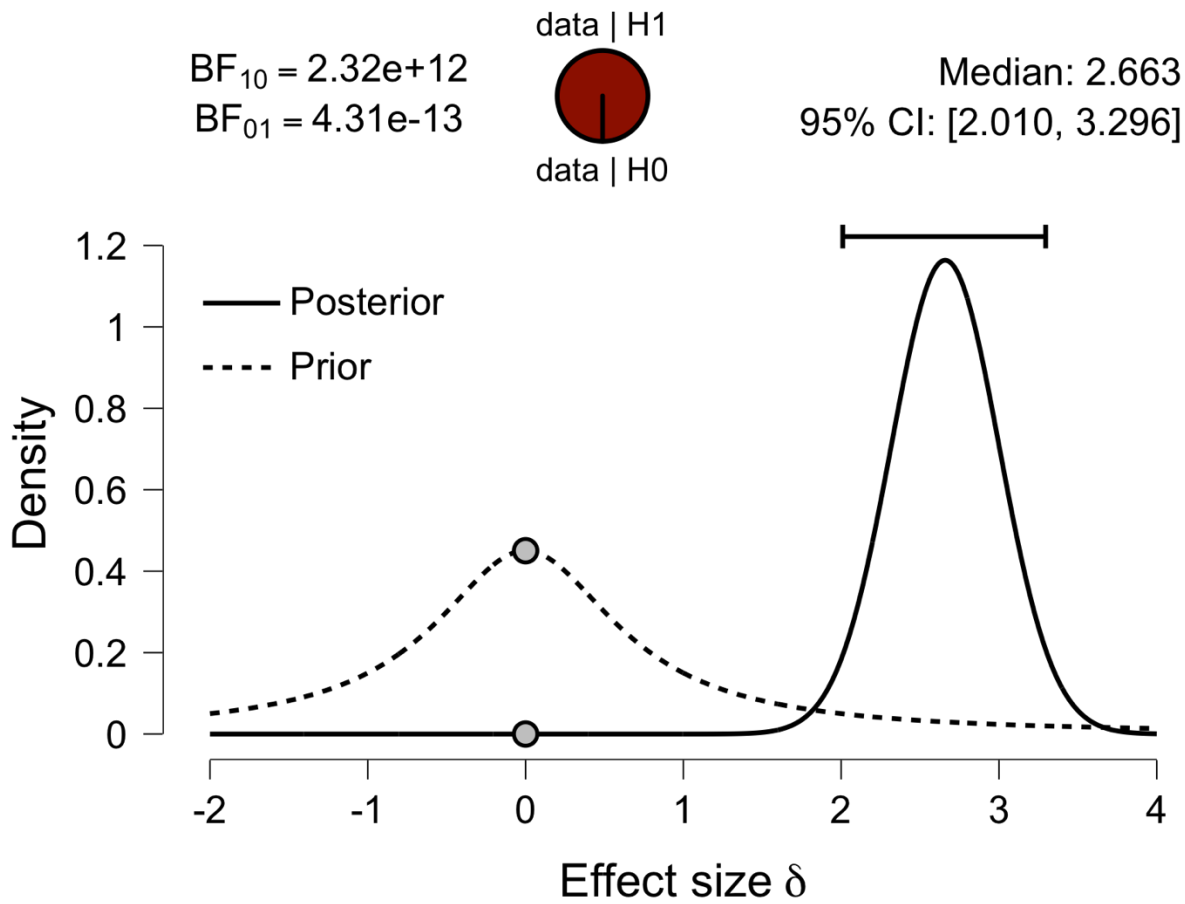
Bayesian Paired Samples T-Test

	BF <sub>10</sub>	error %
Prec_em - Prec_ch	2.318e+12	1.907e-17

Inferential Plots

Prec\_em - Prec\_ch

Prior and Posterior



Paired Samples T-Test

Paired Samples T-Test

	t	df	p	Mean Difference	SE Difference	95% CI for Mean Difference		Cohen's d	95% CI for Cohen's d	
						Lower	Upper		Lower	Upper
ATL_em - ATL_ch	14.757	29	5.120e - 15	0.108	0.007	0.093	0.123	2.694	1.912	3.466

Note. Student's t-test.

Assumption Checks

Test of Normality (Shapiro-Wilk)

		W	p
ATL_em	- ATL_ch	0.947	0.140

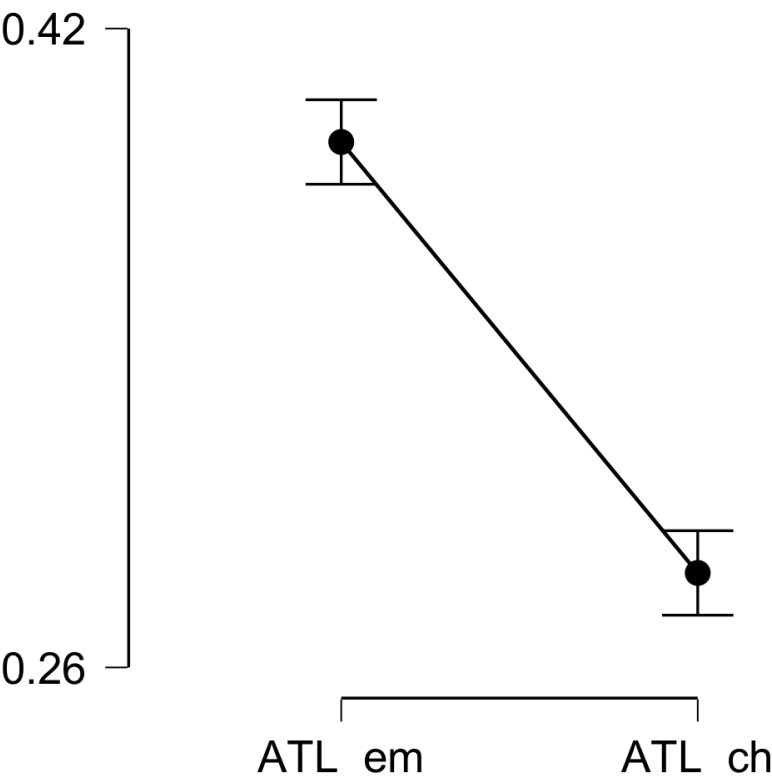
Note. Significant results suggest a deviation from normality.

Descriptives

Descriptives

	N	Mean	SD	SE
ATL_em	30	0.392	0.039	0.007
ATL_ch	30	0.284	0.018	0.003

Descriptives Plot



Bayesian Paired Samples T-Test

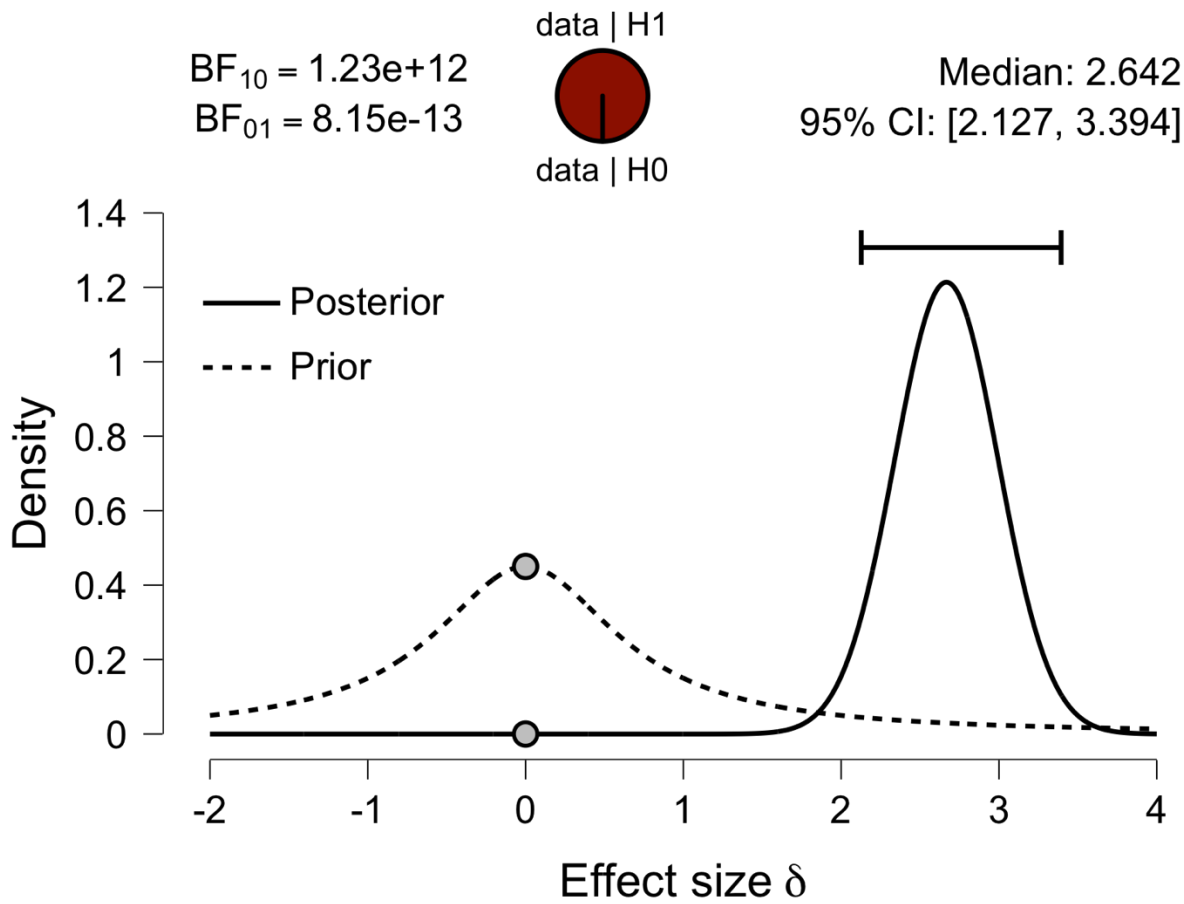
Bayesian Paired Samples T-Test

	BF <sub>10</sub>	error %
ATL_em - ATL_ch	1.227e+12	3.770e-15

Inferential Plots

ATL\_em - ATL\_ch

Prior and Posterior





Paired Samples T-Test

Paired Samples T-Test

	t	df	p	Mean Difference	SE Difference	95% CI for Mean Difference		Cohen's d	95% CI for Cohen's d	
						Lower	Upper		Lower	Upper
aPFC_em - aPFC_ch	10.969	29	7.773e-12	0.131	0.012	0.107	0.156	2.003	1.371	2.622

Note. Student's t-test.

Assumption Checks

Test of Normality (Shapiro-Wilk)

		W	p
aPFC_em	- aPFC_ch	0.933	0.058

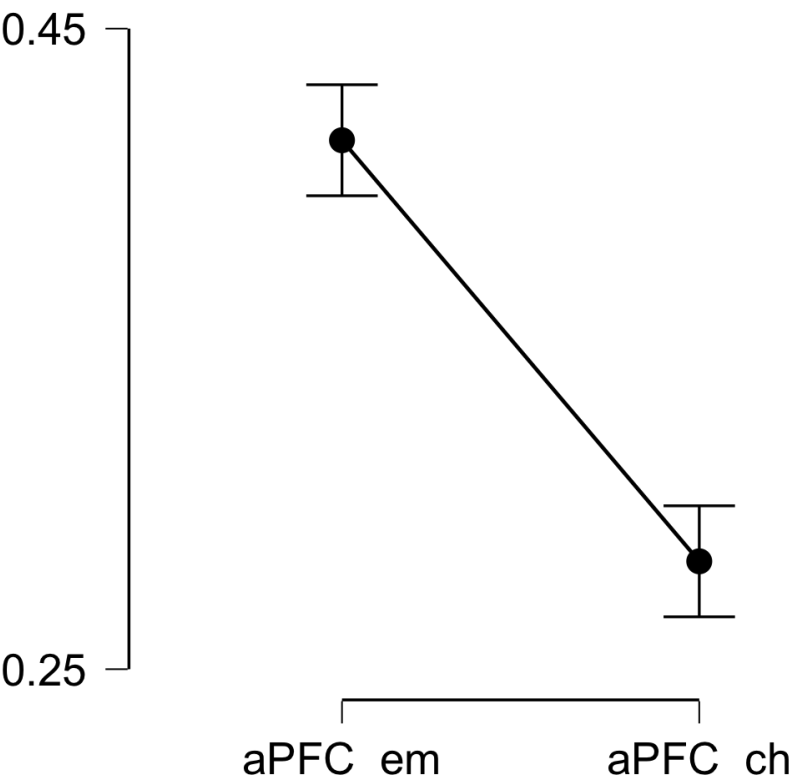
Note. Significant results suggest a deviation from normality.

Descriptives

Descriptives

	N	Mean	SD	SE
aPFC_em	30	0.415	0.059	0.011
aPFC_ch	30	0.284	0.019	0.004

Descriptives Plot



Bayesian Paired Samples T-Test

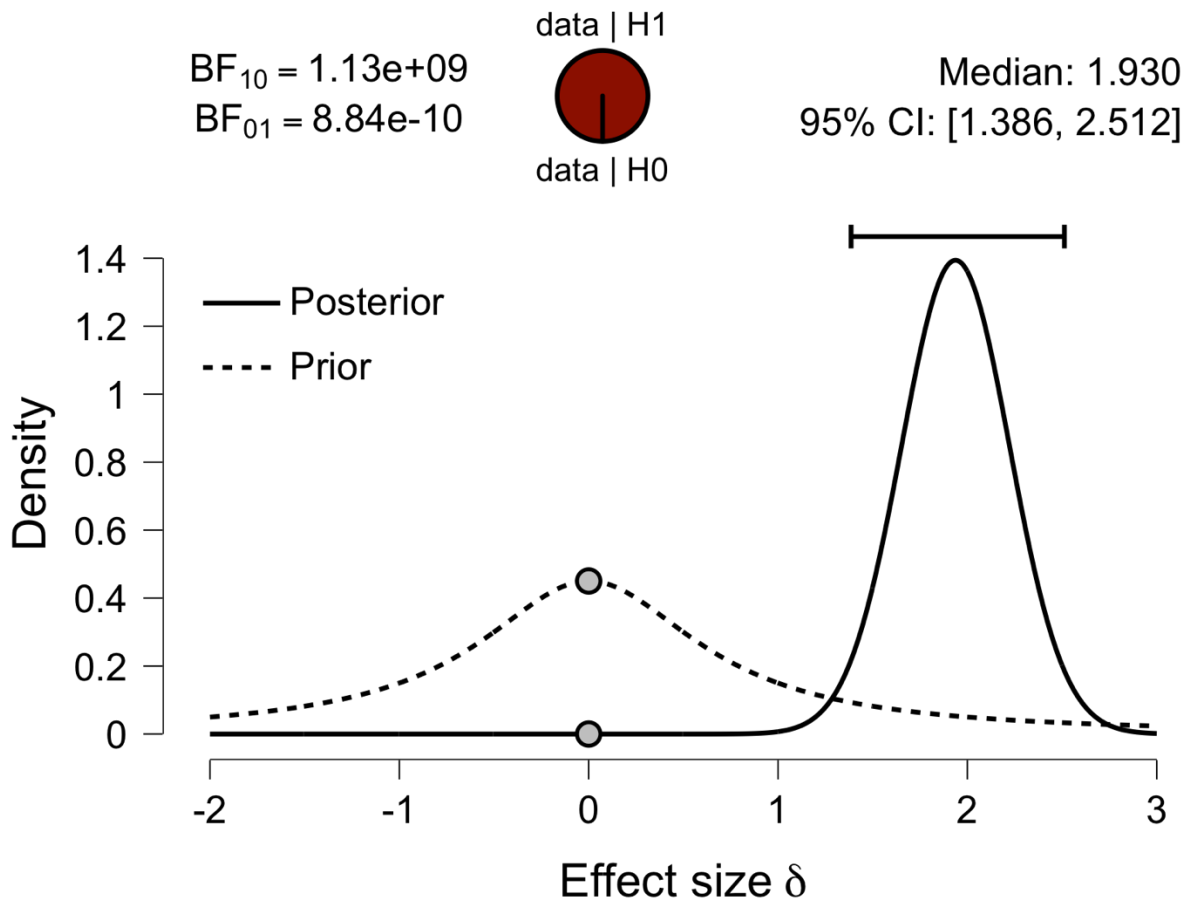
Bayesian Paired Samples T-Test

	BF <sub>10</sub>	error %
aPFC_em - aPFC_ch	1.131e+9	3.508e-13

Inferential Plots

aPFC\_em - aPFC\_ch

Prior and Posterior



Paired Samples T-Test

Paired Samples T-Test										
	t	df	p	Mean Difference	SE Difference	95% CI for Mean Difference		Cohen's d	95% CI for Cohen's d	
						Lower	Upper		Lower	Upper
Ins_em - Ins_ch	15.374	29	1.778e-15	0.121	0.008	0.105	0.137	2.807	1.999	3.604

Note. Student's t-test.

Assumption Checks

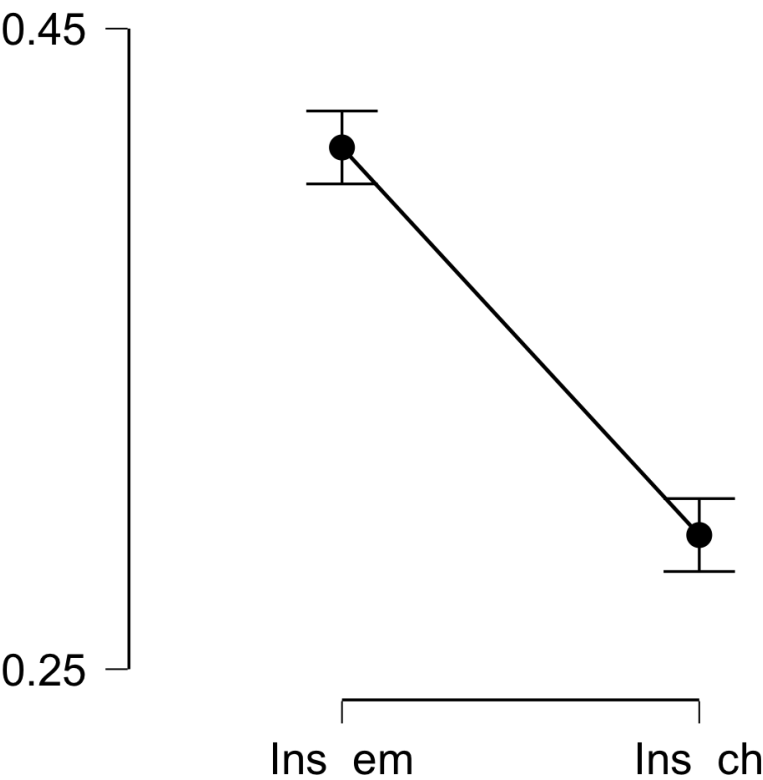
Test of Normality (Shapiro-Wilk)			
		W	p
Ins_em	- Ins_ch	0.980	0.836

Note. Significant results suggest a deviation from normality.

Descriptives

Descriptives				
	N	Mean	SD	SE
Ins_em	30	0.413	0.034	0.006
Ins_ch	30	0.292	0.023	0.004

Descriptives Plot



Bayesian Paired Samples T-Test

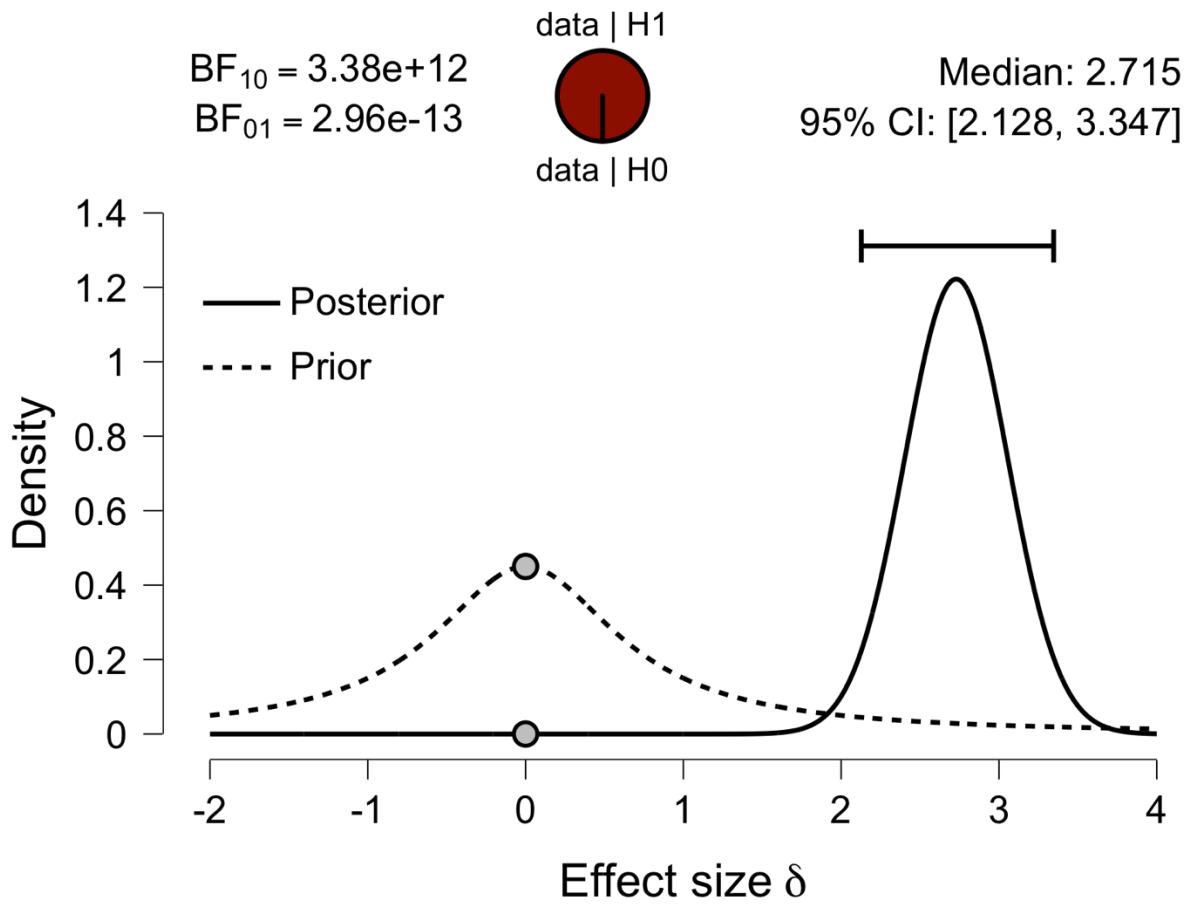
Bayesian Paired Samples T-Test

	BF <sub>10</sub>	error %
Ins_em - Ins_ch	3.377e+12	1.894e-17

Inferential Plots

Ins\_em - Ins\_ch

Prior and Posterior



Paired Samples T-Test

Paired Samples T-Test

	t	df	p	Mean Difference	SE Difference	95% CI for Mean Difference		Cohen's d	95% CI for Cohen's d	
						Lower	Upper		Lower	Upper
ACC_em - ACC_ch	12.792	29	1.888e-13	0.144	0.011	0.121	0.167	2.336	1.633	3.027

Note. Student's t-test.

Assumption Checks

Test of Normality (Shapiro-Wilk)

		W	p
ACC_em	- ACC_ch	0.970	0.549

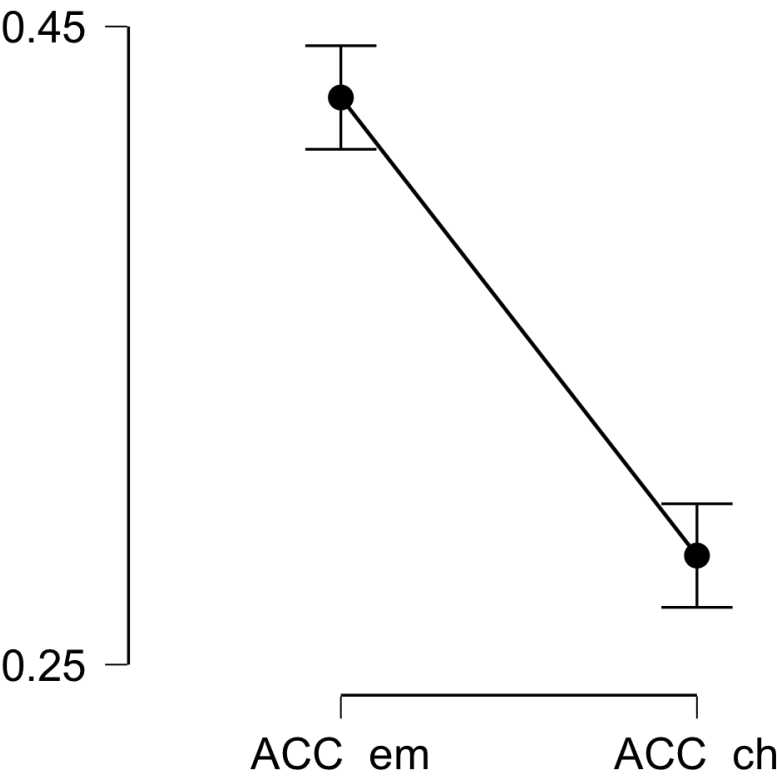
Note. Significant results suggest a deviation from normality.

Descriptives

Descriptives

	N	Mean	SD	SE
ACC_em	30	0.428	0.052	0.009
ACC_ch	30	0.284	0.021	0.004

Descriptives Plot



Bayesian Paired Samples T-Test

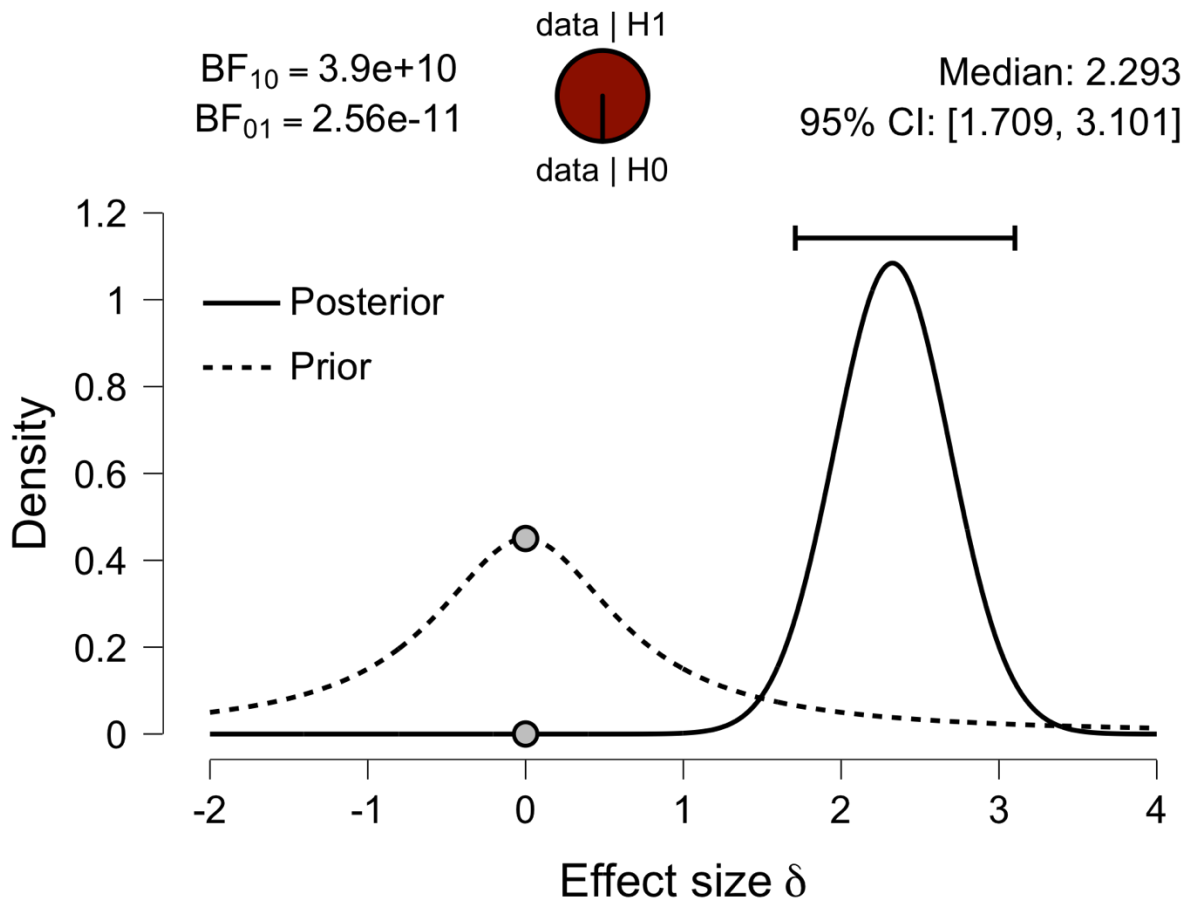
Bayesian Paired Samples T-Test

	BF <sub>10</sub>	error %
ACC <sub>em</sub> - ACC <sub>ch</sub>	3.905e+10	4.820e-15

Inferential Plots

ACC<sub>em</sub> - ACC<sub>ch</sub>

Prior and Posterior



Paired Samples T-Test

Paired Samples T-Test

	t	df	p	Mean Difference	SE Difference	95% CI for Mean Difference		Cohen's d	95% CI for Cohen's d	
						Lower	Upper		Lower	Upper
PCC_em - PCC_ch	15.188	29	2.433e - 15	0.119	0.008	0.103	0.135	2.773	1.973	3.563

Note. Student's t-test.

Assumption Checks

Test of Normality (Shapiro-Wilk)

		W	p
PCC_em	- PCC_ch	0.918	0.024

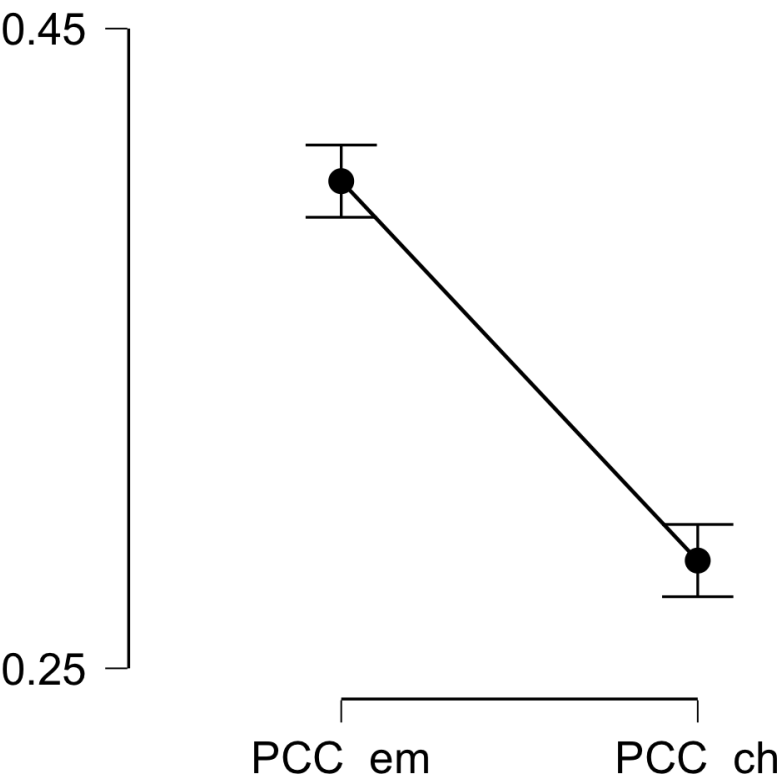
Note. Significant results suggest a deviation from normality.

Descriptives

Descriptives

	N	Mean	SD	SE
PCC_em	30	0.402	0.030	0.005
PCC_ch	30	0.284	0.024	0.004

Descriptives Plot



Bayesian Paired Samples T-Test

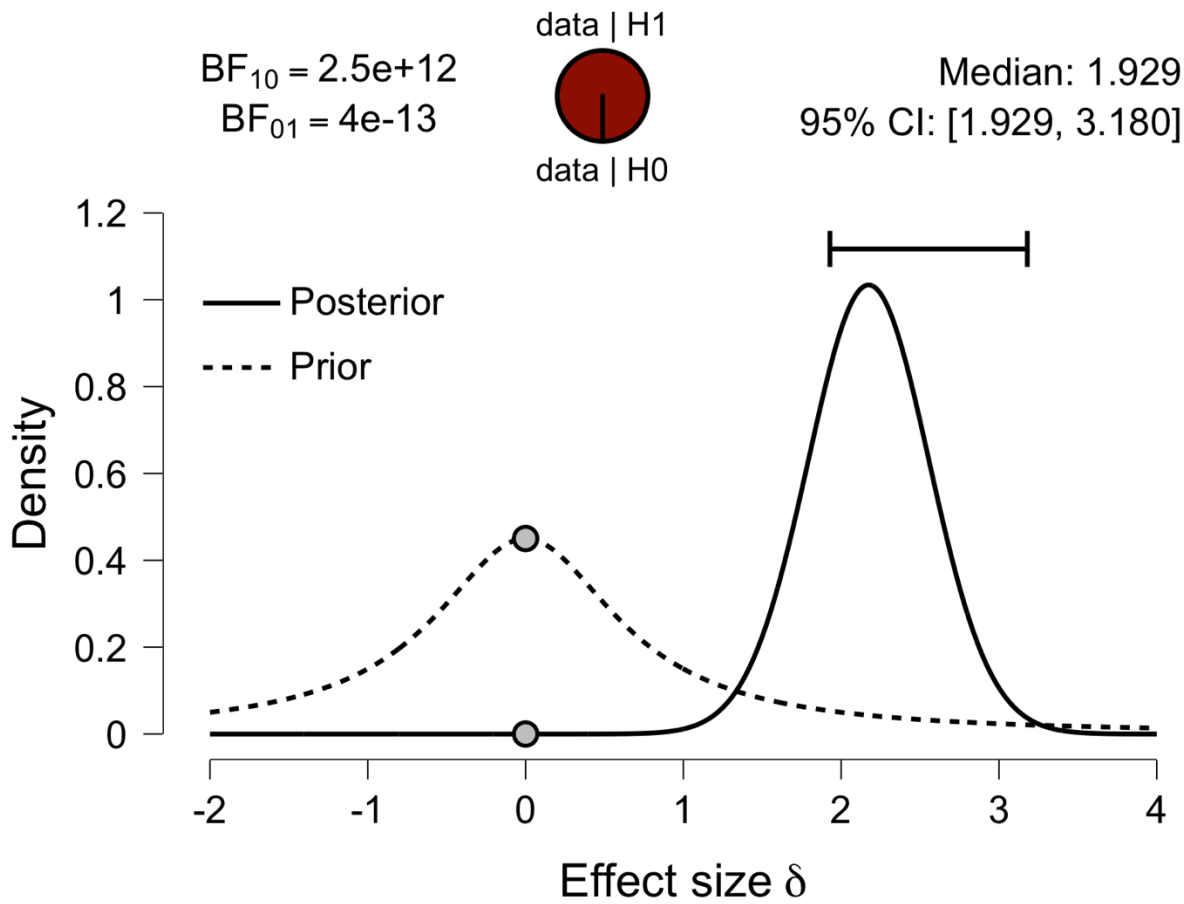
Bayesian Paired Samples T-Test

	BF <sub>10</sub>	error %
PCC_em - PCC_ch	2.501e +12	1.930e -17

Inferential Plots

PCC\_em - PCC\_ch

Prior and Posterior





Paired Samples T-Test

Paired Samples T-Test										
	t	df	p	Mean Difference	SE Difference	95% CI for Mean Difference		Cohen's d	95% CI for Cohen's d	
						Lower	Upper		Lower	Upper
V1_em - V1_ch	13.426	29	5.651e-14	0.081	0.006	0.068	0.093	2.451	1.723	3.168

Note. Student's t-test.

Assumption Checks

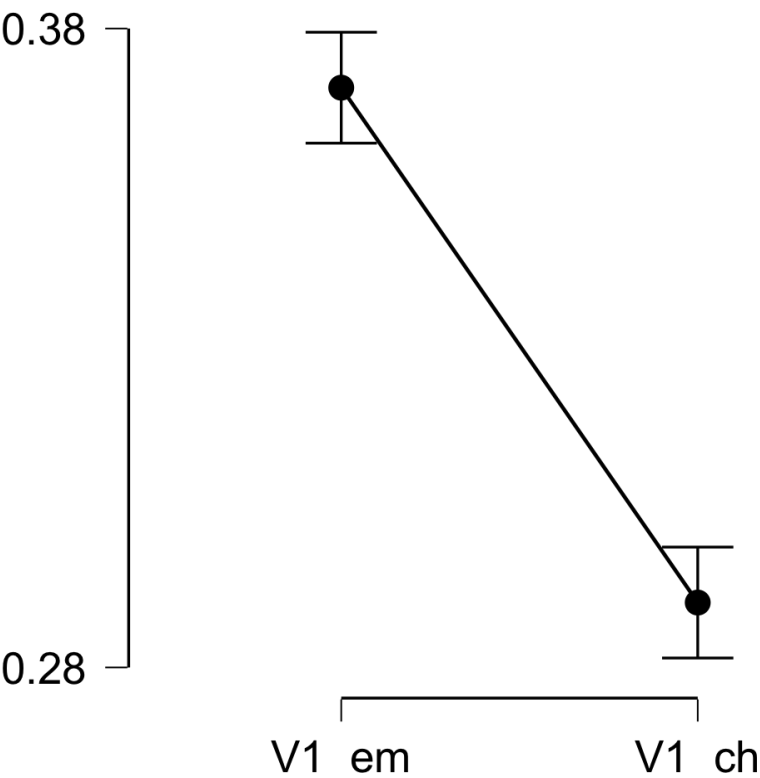
Test of Normality (Shapiro-Wilk)			
		W	p
V1_em	- V1_ch	0.944	0.115

Note. Significant results suggest a deviation from normality.

Descriptives

Descriptives				
	N	Mean	SD	SE
V1_em	30	0.371	0.030	0.005
V1_ch	30	0.290	0.017	0.003

Descriptives Plot



Bayesian Paired Samples T-Test

Bayesian Paired Samples T-Test

	BF <sub>10</sub>	error %
V1_em - V1_ch	1.235e+11	8.282e-16

Inferential Plots

V1\_em - V1\_ch

Prior and Posterior

