

# 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
a_LTL_em - a_LTL_ch	12.469	29	3.550e-13	0.112	0.009	0.094	0.131	2.277	1.587	2.955

Note. Student's t-test.

## Assumption Checks

Test of Normality (Shapiro-Wilk)

		W	p
a_LTL_em	- a_LTL_ch	0.956	0.251

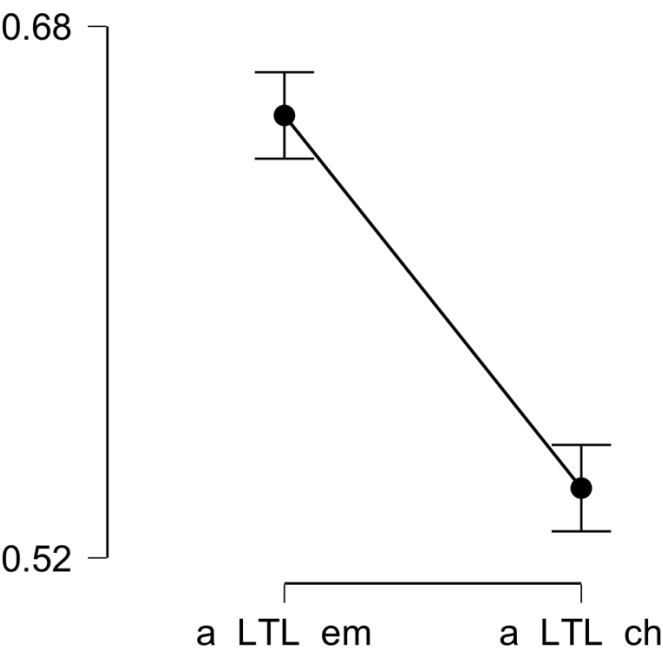
Note. Significant results suggest a deviation from normality.

## Descriptives

Descriptives

	N	Mean	SD	SE
a_LTL_em	30	0.653	0.038	0.007
a_LTL_ch	30	0.541	0.034	0.006

Descriptives Plot



Bayesian Paired Samples T-Test

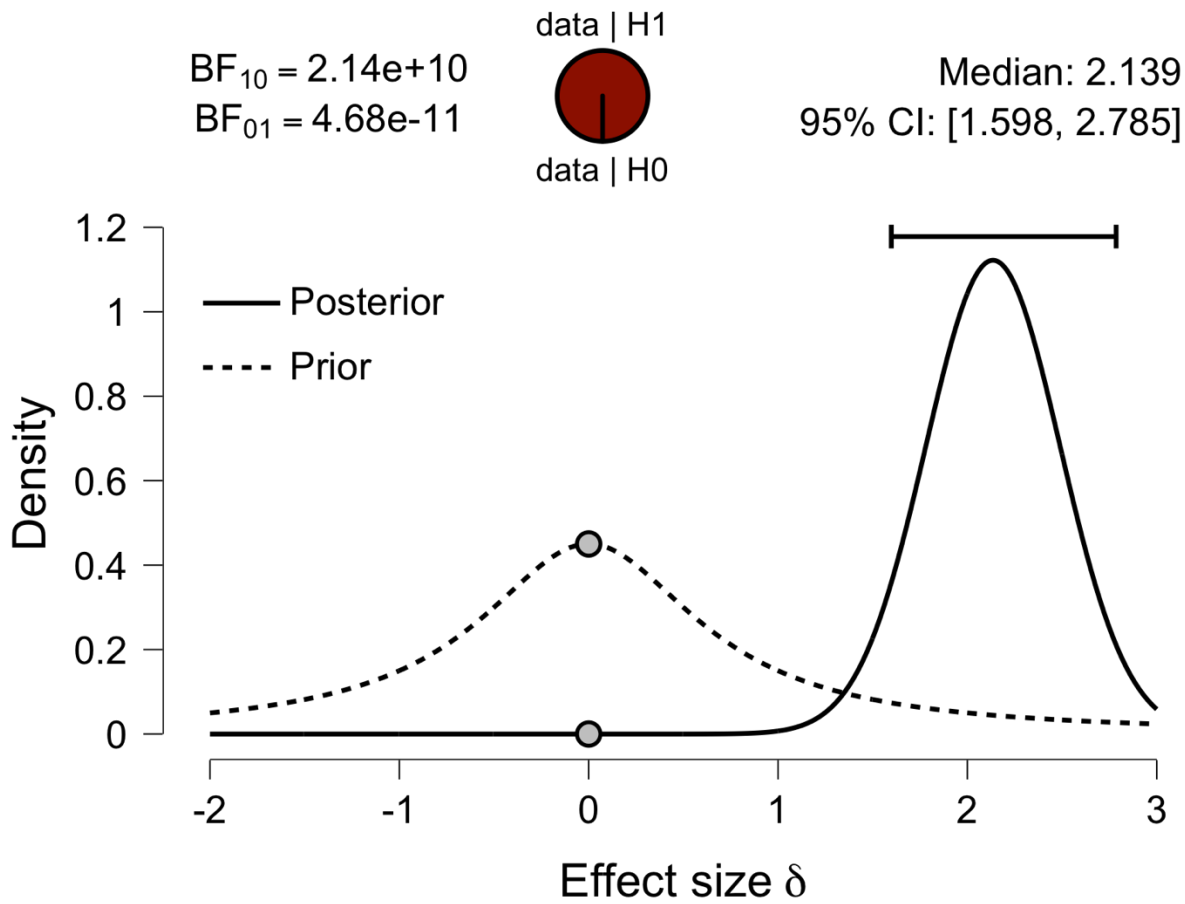
Bayesian Paired Samples T-Test

	BF <sub>10</sub>	error %
a_LTL_em - a_LTL_ch	2.137e +10	1.083e -14

Inferential Plots

a\_LTL\_em - a\_LTL\_ch

Prior and Posterior



Paired Samples T-Test

Paired Samples T-Test

						95% CI for Mean Difference		Cohen's d	95% CI for Cohen's d	
	t	df	p	Mean Difference	SE Difference	Lower	Upper		Lower	Upper
a_IFG_em - a_IFG_ch	14.422	29	9.211e-15	0.107	0.007	0.092	0.122	2.633	1.864	3.391

Note. Student's t-test.

Assumption Checks

Test of Normality (Shapiro-Wilk)

		W	p
a_IFG_em	- a_IFG_ch	0.975	0.679

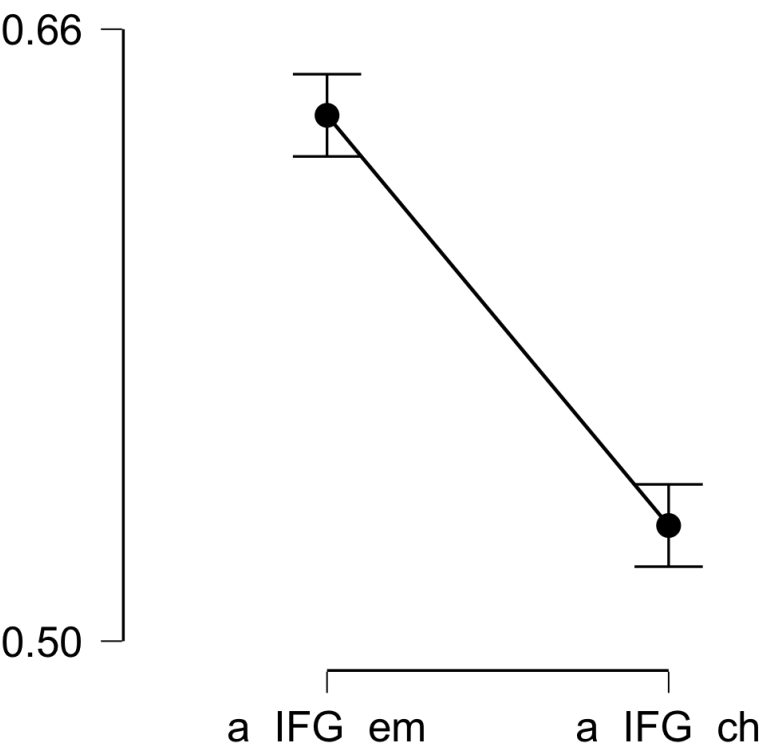
Note. Significant results suggest a deviation from normality.

Descriptives

Descriptives

	N	Mean	SD	SE
a_IFG_em	30	0.637	0.034	0.006
a_IFG_ch	30	0.530	0.034	0.006

Descriptives Plot



## Bayesian Paired Samples T-Test

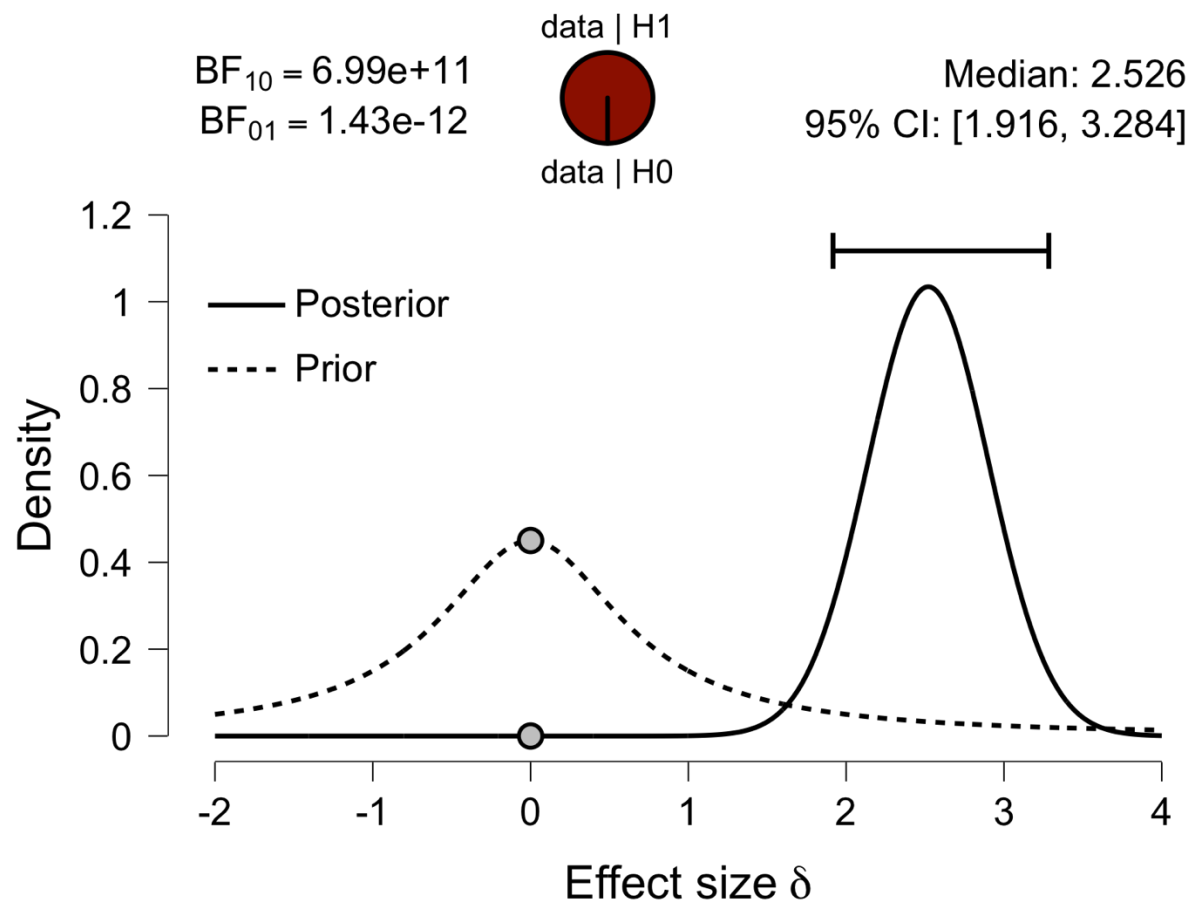
### Bayesian Paired Samples T-Test

	$BF_{10}$	error %
a_IFG_em - a_IFG_ch	6.995e+11	2.232e-18

### Inferential Plots

a\_IFG\_em - a\_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
a_Prec_em - a_Prec_ch	11.682	29	1.734e-12	0.095	0.008	0.079	0.112	2.133	1.474	2.780

Note. Student's t-test.

Assumption Checks

Test of Normality (Shapiro-Wilk)

		W	p
a_Prec_em	- a_Prec_ch	0.981	0.852

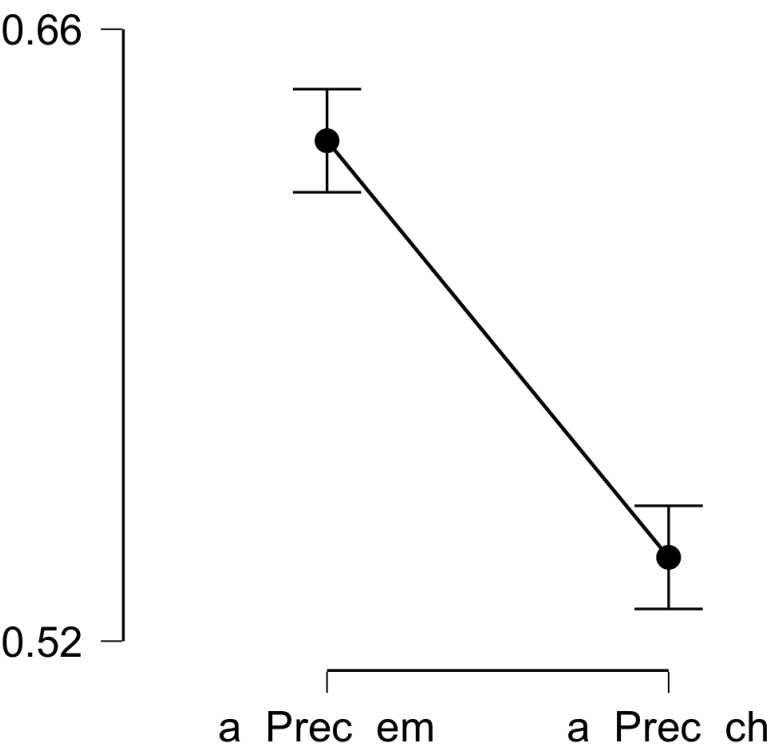
Note. Significant results suggest a deviation from normality.

Descriptives

Descriptives

	N	Mean	SD	SE
a_Prec_em	30	0.634	0.028	0.005
a_Prec_ch	30	0.539	0.035	0.006

Descriptives Plot



Bayesian Paired Samples T-Test

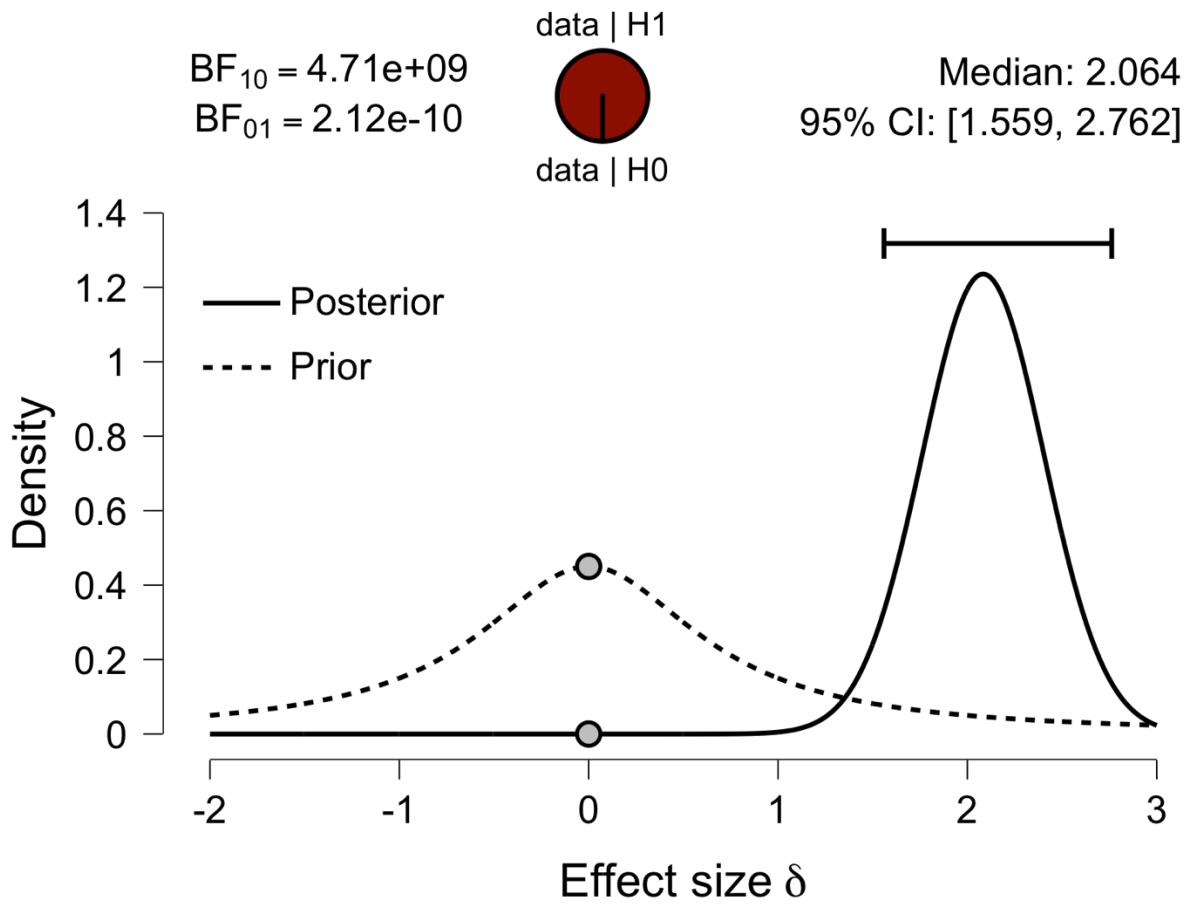
Bayesian Paired Samples T-Test

	BF <sub>10</sub>	error %
a_Prec_em - a_Prec_ch	4.715e+9	6.998e-14

Inferential Plots

a\_Prec\_em - a\_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	
a_ATL_em - a_ATL_ch	11.451	29	2.802e - 12	0.068	0.006	0.056	0.080	2.091	1.441	2.729	

Note. Student's t-test.

Assumption Checks

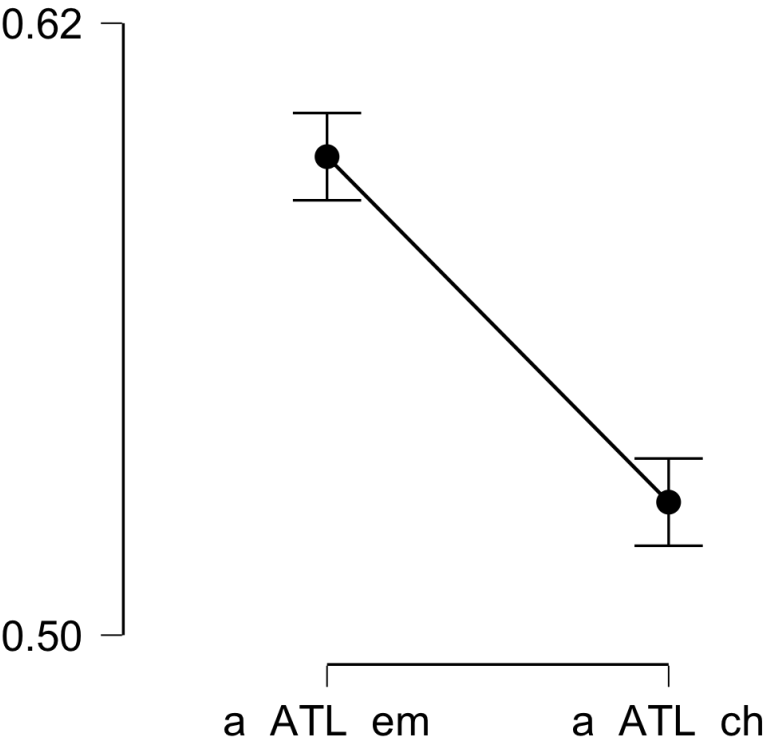
Test of Normality (Shapiro-Wilk)			
		W	p
a_ATL_em	- a_ATL_ch	0.981	0.851

Note. Significant results suggest a deviation from normality.

Descriptives

Descriptives				
	N	Mean	SD	SE
a_ATL_em	30	0.594	0.025	0.005
a_ATL_ch	30	0.526	0.029	0.005

Descriptives Plot



Bayesian Paired Samples T-Test

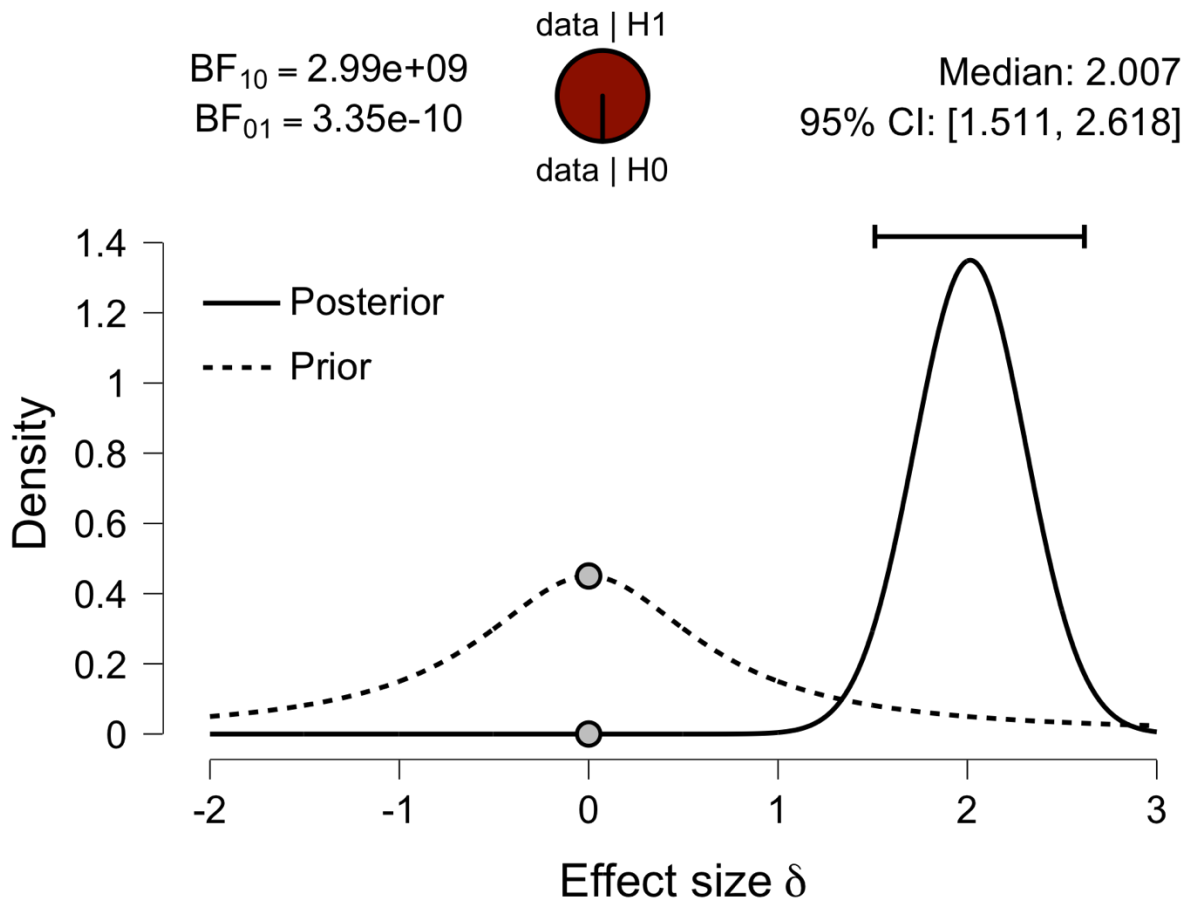
Bayesian Paired Samples T-Test

	BF <sub>10</sub>	error %
a_ATL_em - a_ATL_ch	2.985e+9	1.190e-13

Inferential Plots

a\_ATL\_em - a\_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
a_aPFC_em - a_aPFC_ch	11.269	29	4.107e-12	0.083	0.007	0.068	0.099	2.057	1.415	2.688

Note. Student's t-test.

Assumption Checks

Test of Normality (Shapiro-Wilk)

		W	p
a_aPFC_em	- a_aPFC_ch	0.975	0.690

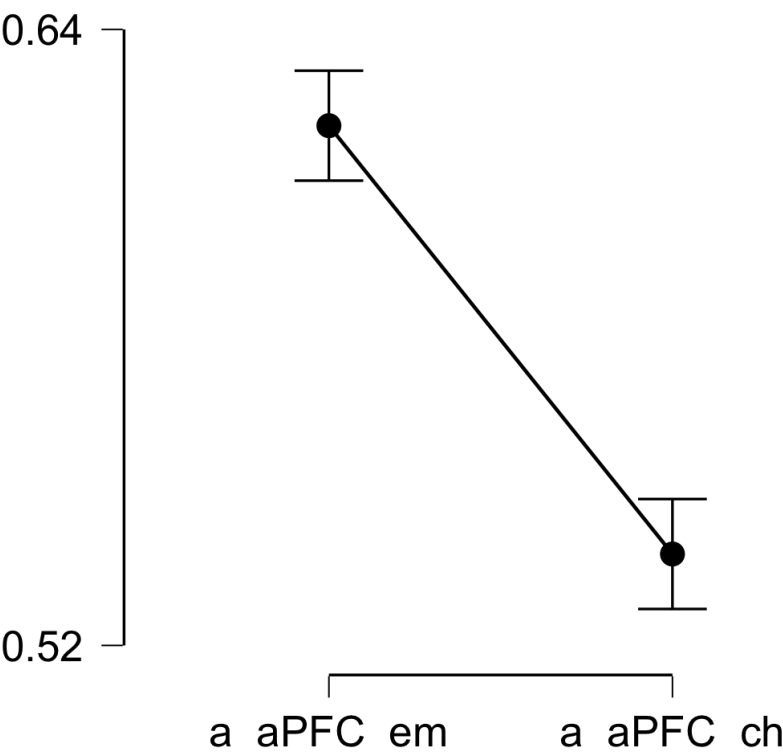
Note. Significant results suggest a deviation from normality.

Descriptives

Descriptives

	N	Mean	SD	SE
a_aPFC_em	30	0.621	0.037	0.007
a_aPFC_ch	30	0.538	0.033	0.006

Descriptives Plot



Bayesian Paired Samples T-Test

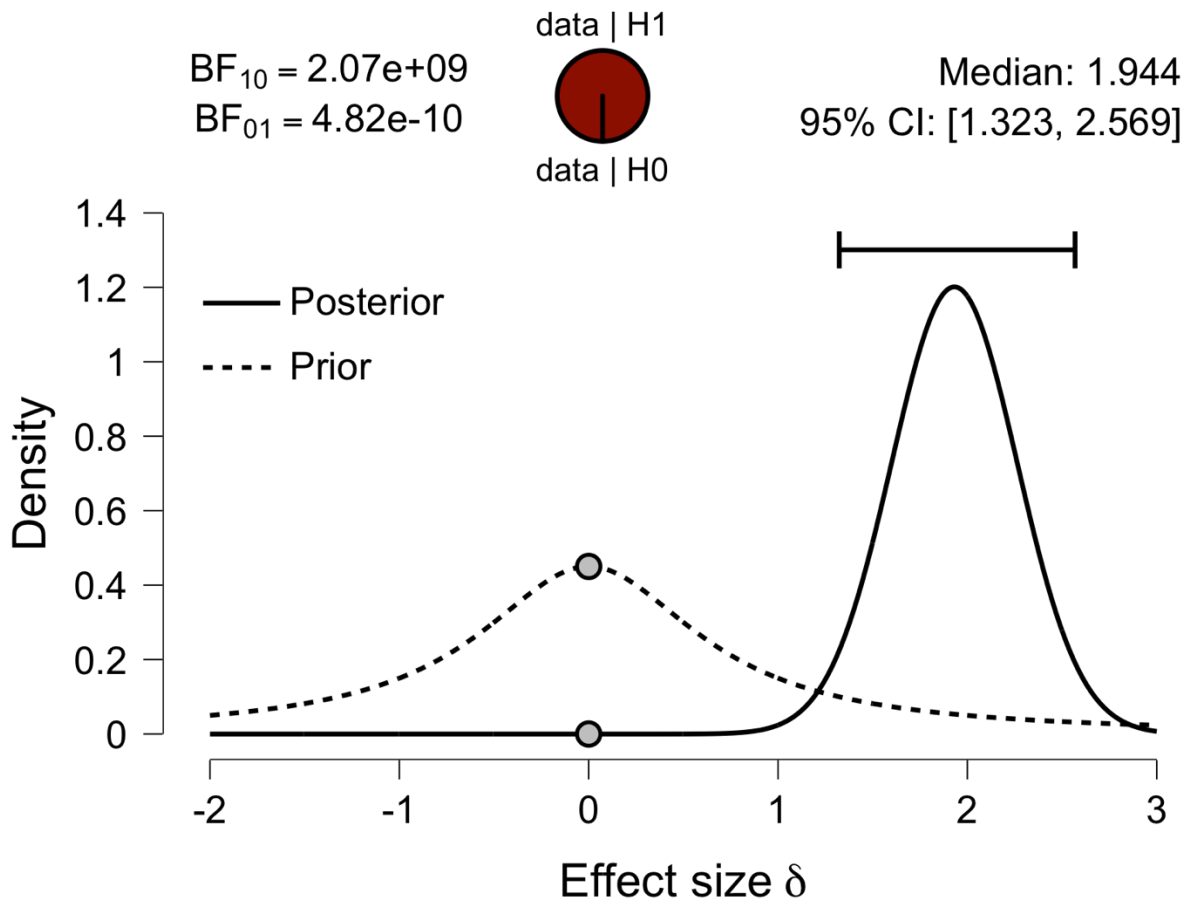
Bayesian Paired Samples T-Test

	BF <sub>10</sub>	error %
a_aPFC_em - a_aPFC_ch	2.075e+9	1.809e-13

Inferential Plots

a\_aPFC\_em - a\_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
a_Ins_em - a_Ins_ch	13.172	29	9.117e-14	0.090	0.007	0.076	0.105	2.405	1.687	3.111

Note. Student's t-test.

Assumption Checks

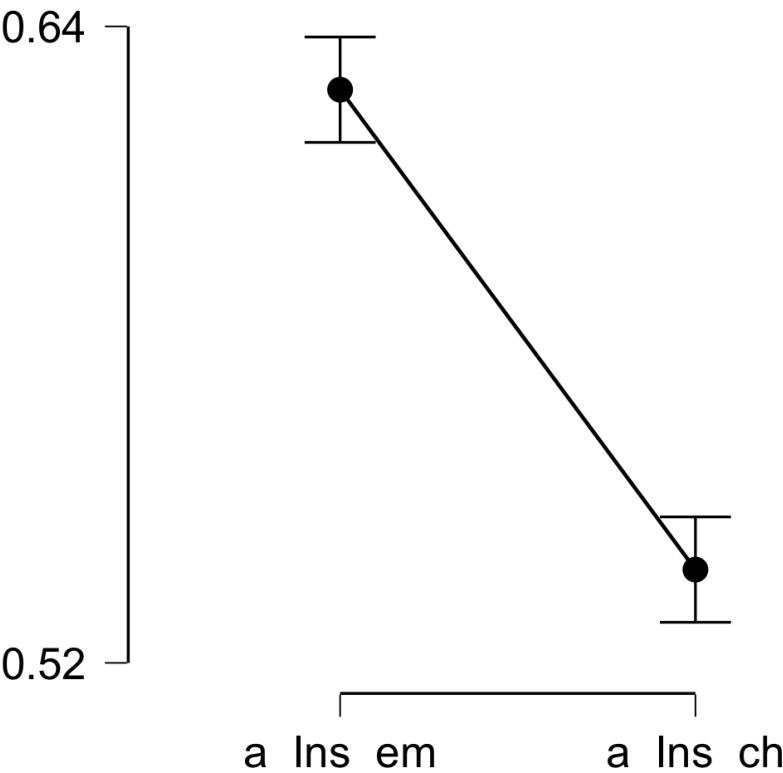
Test of Normality (Shapiro-Wilk)			
		W	p
a_Ins_em	- a_Ins_ch	0.944	0.116

Note. Significant results suggest a deviation from normality.

Descriptives

Descriptives				
	N	Mean	SD	SE
a_Ins_em	30	0.628	0.024	0.004
a_Ins_ch	30	0.538	0.032	0.006

Descriptives Plot



Bayesian Paired Samples T-Test

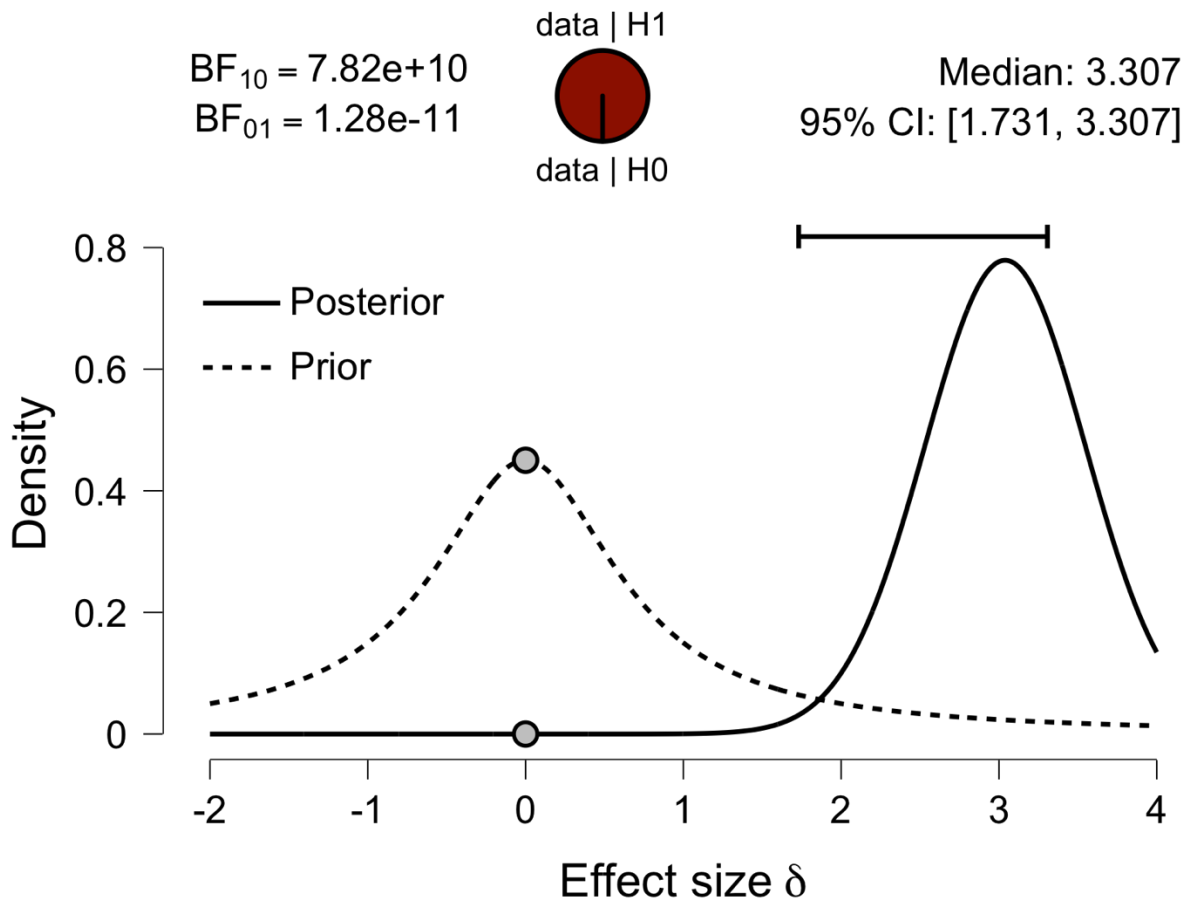
Bayesian Paired Samples T-Test

	BF <sub>10</sub>	error %
a_Ins_em - a_Ins_ch	7.821e+10	1.745e-15

Inferential Plots

a\_Ins\_em - a\_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
a_ACC_em - a_ACC_ch	11.393	29	3.165e-12	0.086	0.008	0.071	0.102	2.080	1.432	2.716

Note. Student's t-test.

Assumption Checks

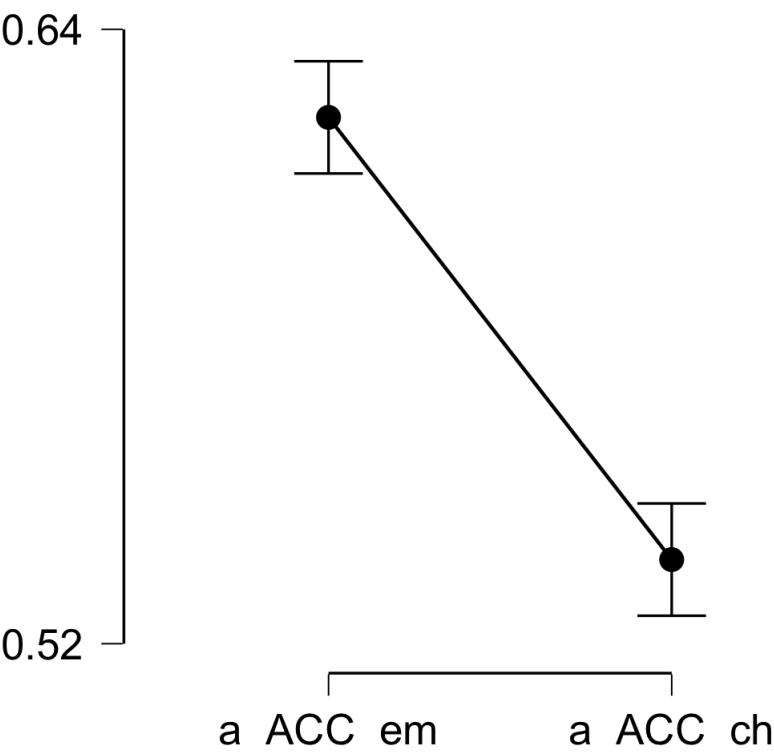
Test of Normality (Shapiro-Wilk)			
		W	p
a_ACC_em	- a_ACC_ch	0.963	0.361

Note. Significant results suggest a deviation from normality.

Descriptives

Descriptives				
	N	Mean	SD	SE
a_ACC_em	30	0.623	0.034	0.006
a_ACC_ch	30	0.536	0.028	0.005

Descriptives Plot



Bayesian Paired Samples T-Test

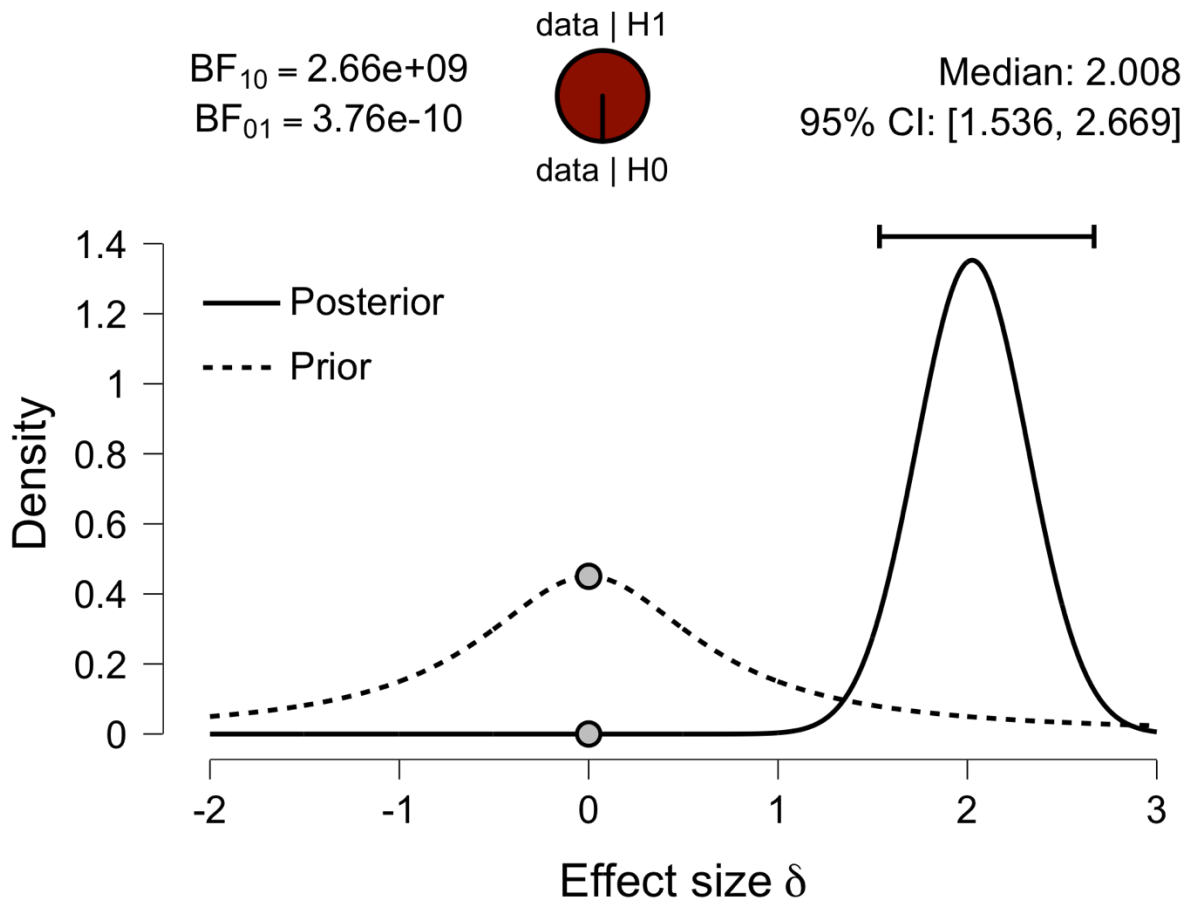
Bayesian Paired Samples T-Test

	BF <sub>10</sub>	error %
a_ACC_em - a_ACC_ch	2.658e+9	1.362e-13

Inferential Plots

a\_ACC\_em - a\_ACC\_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
a_PCC_em - a_PCC_ch	11.570	29	2.187e-12	0.085	0.007	0.070	0.100	2.112	1.458	2.755

Note. Student's t-test.

Assumption Checks

Test of Normality (Shapiro-Wilk)

		W	p
a_PCC_em	- a_PCC_ch	0.943	0.107

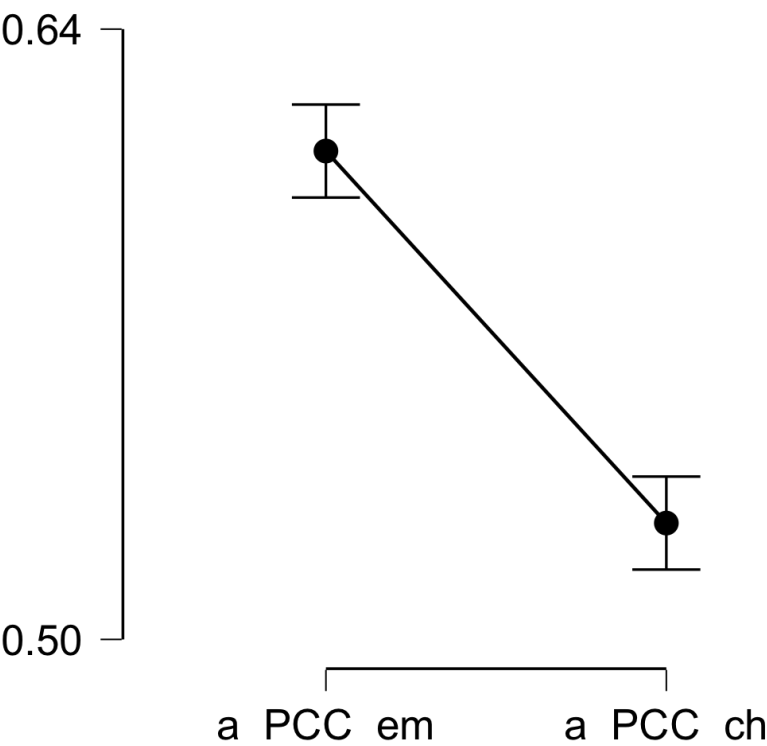
Note. Significant results suggest a deviation from normality.

Descriptives

Descriptives

	N	Mean	SD	SE
a_PCC_em	30	0.612	0.027	0.005
a_PCC_ch	30	0.527	0.027	0.005

Descriptives Plot



Bayesian Paired Samples T-Test

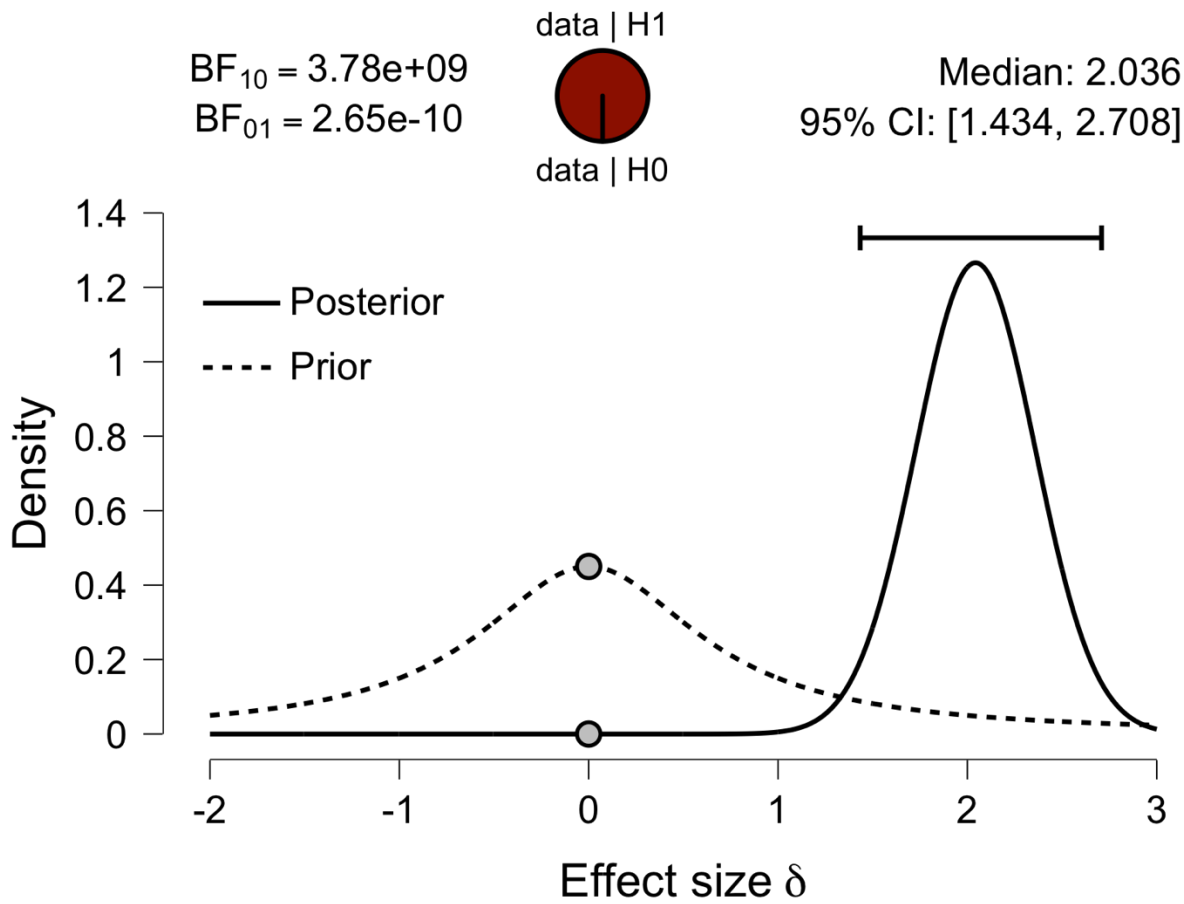
Bayesian Paired Samples T-Test

	BF <sub>10</sub>	error %
a_PCC_em - a_PCC_ch	3.779e+9	9.061e-14

Inferential Plots

a\_PCC\_em - a\_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
a_V1_em - a_V1_ch	12.301	29	4.955e-13	0.068	0.006	0.057	0.080	2.246	1.563	2.917

Note. Student's t-test.

Assumption Checks

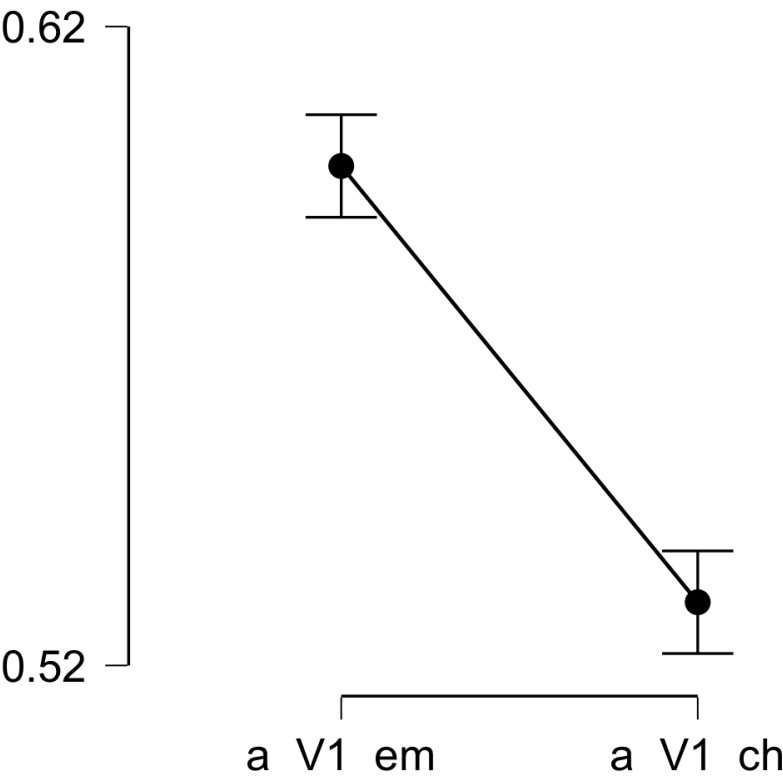
Test of Normality (Shapiro-Wilk)			
		W	p
a_V1_em	- a_V1_ch	0.980	0.823

Note. Significant results suggest a deviation from normality.

Descriptives

Descriptives				
	N	Mean	SD	SE
a_V1_em	30	0.598	0.024	0.004
a_V1_ch	30	0.530	0.030	0.006

Descriptives Plot



Bayesian Paired Samples T-Test

Bayesian Paired Samples T-Test

	BF <sub>10</sub>	error %
a_V1_em - a_V1_ch	1.555e+10	1.631e-14

Inferential Plots

a\_V1\_em - a\_V1\_ch

Prior and Posterior

