

## Results

### Bayesian Repeated Measures ANOVA

Ne/ERN area around peak in FCz

#### Model Comparison

Models	P(M)	P(M data)	BF <sub>M</sub>	BF <sub>10</sub>	error %
Null model (incl. subject)	0.053	0.618	29.098	1.000	
treatment	0.053	0.134	2.796	0.218	1.086
Session	0.053	0.147	3.091	0.237	1.207
treatment + Session	0.053	0.032	0.592	0.052	2.404
treatment + Session + treatment * Session	0.053	0.022	0.405	0.036	4.634
Response Type	0.053	0.029	0.539	0.047	1.342
treatment + Response Type	0.053	0.006	0.112	0.010	1.121
Session + Response Type	0.053	0.007	0.122	0.011	1.147
treatment + Session + Response Type	0.053	0.002	0.030	0.003	8.782
treatment + Session + treatment * Session + Response Type	0.053	0.001	0.019	0.002	3.183
treatment + Response Type + treatment * Response Type	0.053	4.651e -4	0.008	7.529e -4	3.854
treatment + Session + Response Type + treatment * Response Type	0.053	1.096e -4	0.002	1.774e -4	2.797
treatment + Session + treatment * Session + Response Type + treatment * Response Type	0.053	7.287e -5	0.001	1.179e -4	4.969
Session + Response Type + Session * Response Type	0.053	0.001	0.024	0.002	1.828
treatment + Session + Response Type + Session * Response Type	0.053	3.275e -4	0.006	5.302e -4	8.528
treatment + Session + treatment * Session + Response Type + Session * Response Type	0.053	2.047e -4	0.004	3.313e -4	3.010
treatment + Session + Response Type + treatment * Response Type + Session * Response Type	0.053	2.316e -5	4.169e -4	3.749e -5	6.991
treatment + Session + treatment * Session + Response Type + treatment * Response Type + Session * Response Type	0.053	1.335e -5	2.403e -4	2.161e -5	2.584
treatment + Session + treatment * Session + Response Type + treatment * Response Type + Session * Response Type + treatment * Session * Response Type	0.053	3.379e -6	6.083e -5	5.470e -6	6.102

## Model Comparison

Models	P(M)	P(M data)	BF <sub>M</sub>	BF <sub>10</sub>	error %
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*Note.* All models include subject.

## Bayesian Repeated Measures ANOVA

Pe area around peak in Cz

## Model Comparison

Models	P(M)	P(M data)	BF <sub>M</sub>	BF <sub>10</sub>	error %
Null model (incl. subject)	0.053	0.063	1.209	1.000	
Session	0.053	0.015	0.270	0.235	1.900
Response Type	0.053	0.534	20.603	8.481	0.771
Session + Response Type	0.053	0.128	2.639	2.032	1.327
Session + Response Type + Session * Response Type	0.053	0.040	0.754	0.639	2.878
treatment	0.053	0.015	0.283	0.246	0.809
Session + treatment	0.053	0.004	0.066	0.058	1.381
Response Type + treatment	0.053	0.135	2.820	2.152	1.323
Session + Response Type + treatment	0.053	0.032	0.596	0.510	1.841
Session + Response Type + Session * Response Type + treatment	0.053	0.010	0.175	0.153	2.065
Session + treatment + Session * treatment	0.053	9.163e -4	0.017	0.015	4.495
Session + Response Type + treatment + Session * treatment	0.053	0.008	0.136	0.119	5.239
Session + Response Type + Session * Response Type + treatment + Session * treatment	0.053	0.002	0.044	0.039	12.183
Response Type + treatment + Response Type * treatment	0.053	0.010	0.175	0.153	2.741
Session + Response Type + treatment + Response Type * treatment	0.053	0.002	0.042	0.037	3.629
Session + Response Type + Session * Response Type + treatment + Response Type * treatment	0.053	6.839e -4	0.012	0.011	2.147
Session + Response Type + treatment + Session * treatment + Response Type * treatment	0.053	5.267e -4	0.009	0.008	4.021
Session + Response Type + Session * Response Type + treatment + Session * treatment + Response Type * treatment	0.053	1.477e -4	0.003	0.002	2.154

## Model Comparison

Models	P(M)	P(M data)	BF <sub>M</sub>	BF <sub>10</sub>	error %
Session + Response Type + Session * Response Type + treatment + Session * treatment + Response Type * treatment + Session * Response Type * treatment	0.053	2.957e -5	5.323e -4	4.699e -4	4.948

*Note.* All models include subject.

## Post Hoc Tests

### Post Hoc Comparisons - treatment

	Prior Odds	Posterior Odds	BF <sub>10, U</sub>	error %
Meditation PMR	1.000	0.134	0.134	2.449e -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.

## Descriptives

### Descriptives

Session	Response Type	treatment	Mean	SD	N
pre	undetected errors	Meditation	3.599	8.648	20
		PMR	1.200	5.287	19
	detected errors	Meditation	-0.928	11.834	20
		PMR	0.907	7.684	19
	correct trials	Meditation	6.368	11.660	20
		PMR	5.989	10.811	19
post	undetected errors	Meditation	4.613	7.917	20
		PMR	5.667	8.192	19
	detected errors	Meditation	2.413	11.022	20
		PMR	3.219	9.707	19
	correct trials	Meditation	5.341	8.228	20
		PMR	5.253	9.359	19

## Bayesian Repeated Measures ANOVA

Pe area around peak in Cz with detected errors only

## Model Comparison

Models	P(M)	P(M data)	BF <sub>M</sub>	BF <sub>10</sub>	error %
Null model (incl. subject)	0.053	0.020	0.359	1.000	

## Model Comparison

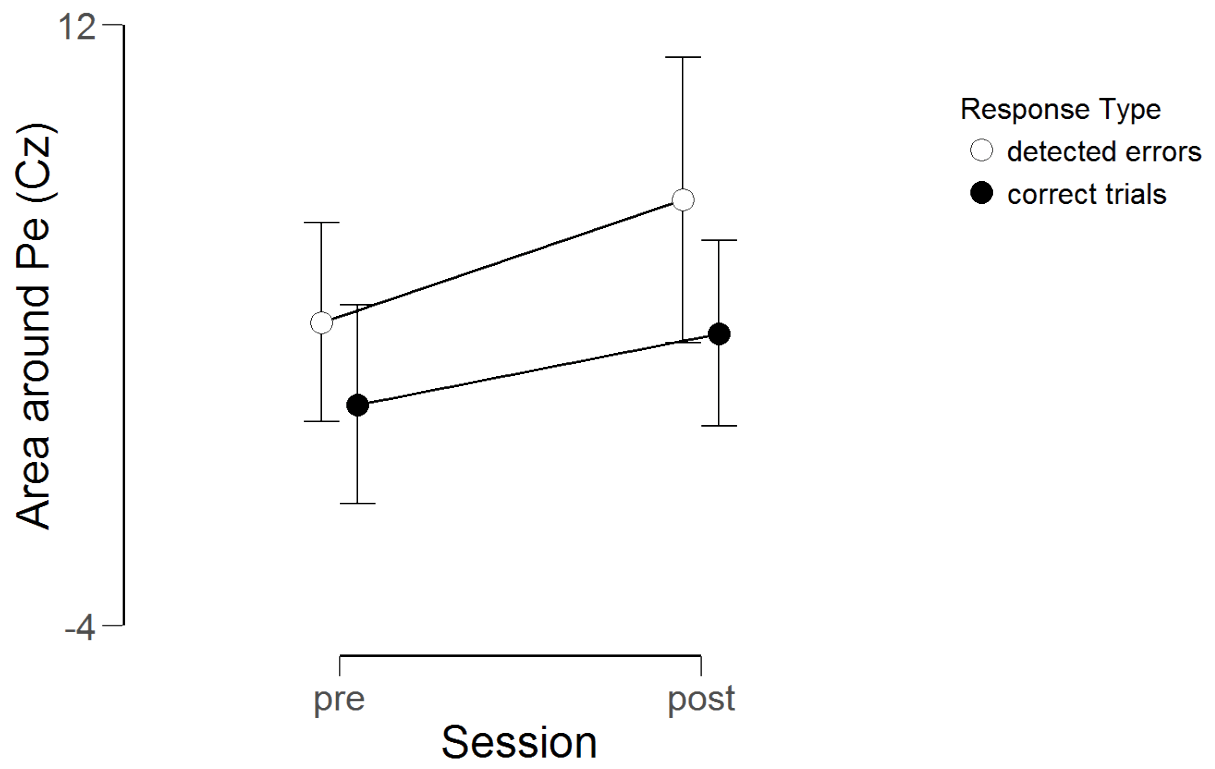
Models	P(M)	P(M data)	BF <sub>M</sub>	BF <sub>10</sub>	error %
Session	0.053	0.038	0.710	1.941	1.084
Response Type	0.053	0.123	2.533	6.308	1.374
Session + Response Type	0.053	0.286	7.196	14.606	3.554
Session + Response Type + Session * Response Type	0.053	0.154	3.281	7.885	1.639
treatment	0.053	0.008	0.147	0.415	0.566
Session + treatment	0.053	0.016	0.286	0.800	1.047
Response Type + treatment	0.053	0.052	0.981	2.644	1.096
Session + Response Type + treatment	0.053	0.123	2.521	6.282	2.384
Session + Response Type + Session * Response Type + treatment	0.053	0.068	1.312	3.475	3.874
Session + treatment + Session * treatment	0.053	0.004	0.069	0.195	2.994
Session + Response Type + treatment + Session * treatment	0.053	0.028	0.517	1.427	2.409
Session + Response Type + Session * Response Type + treatment + Session * treatment	0.053	0.015	0.271	0.758	2.323
Response Type + treatment + Response Type * treatment	0.053	0.012	0.219	0.614	2.400
Session + Response Type + treatment + Response Type * treatment	0.053	0.028	0.509	1.407	3.664
Session + Response Type + Session * Response Type + treatment + Response Type * treatment	0.053	0.016	0.292	0.817	5.471
Session + Response Type + treatment + Session * treatment + Response Type * treatment	0.053	0.006	0.112	0.315	2.891
Session + Response Type + Session * Response Type + treatment + Session * treatment + Response Type * treatment	0.053	0.003	0.063	0.178	3.324
Session + Response Type + Session * Response Type + treatment + Session * treatment + Response Type * treatment + Session * Response Type * treatment	0.053	0.001	0.026	0.073	8.087

*Note.* All models include subject.

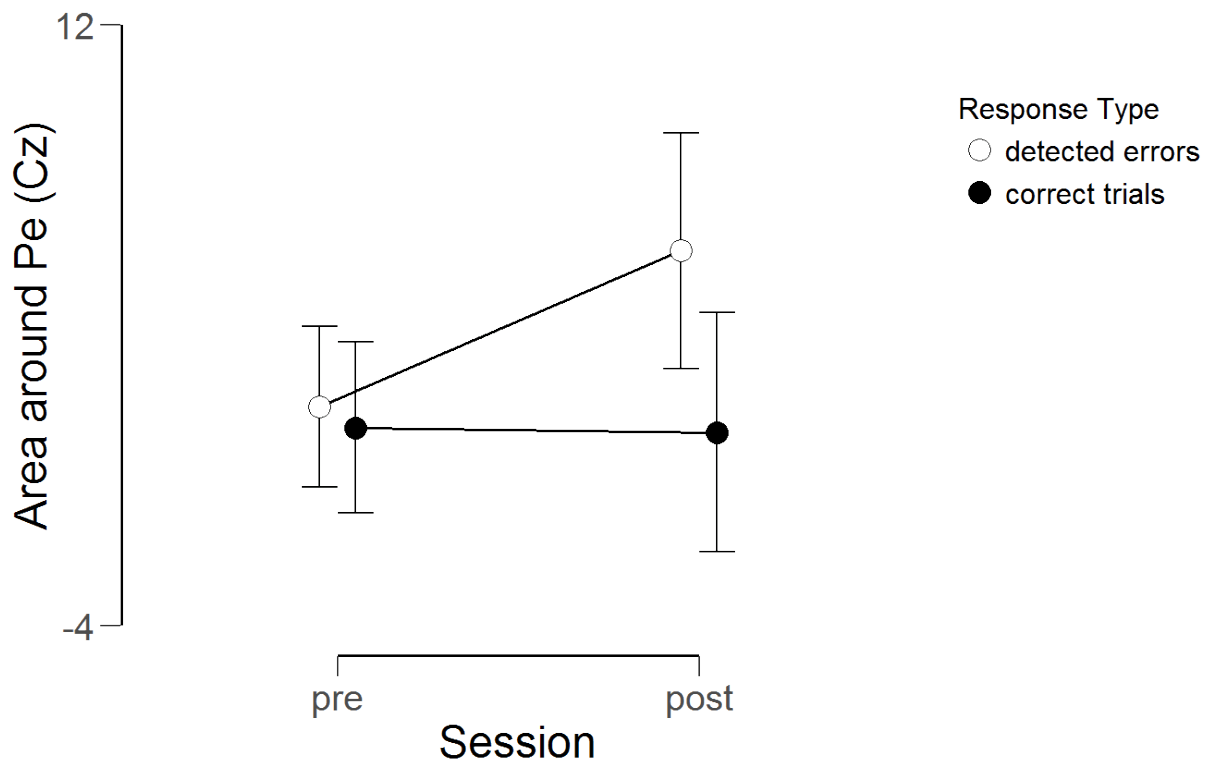
## Descriptives

### Descriptives Plots

**treatment: Meditation**



treatment: PMR



### Bayesian Repeated Measures ANOVA

Ne/ERN area around peak in Cz with detected errors only

#### Model Comparison

Models	P(M)	P(M data)	BF <sub>M</sub>	BF <sub>10</sub>	error %
Null model (incl. subject)	0.053	0.096	1.903	1.000	
Session	0.053	0.018	0.339	0.193	1.722
Response Type	0.053	0.497	17.813	5.202	2.123
Session + Response Type	0.053	0.106	2.123	1.104	6.639
Session + Response Type + Session * Response Type	0.053	0.023	0.421	0.239	6.420
treatment	0.053	0.024	0.448	0.254	0.951
Session + treatment	0.053	0.005	0.085	0.049	1.639
Response Type + treatment	0.053	0.131	2.722	1.374	2.600
Session + Response Type + treatment	0.053	0.025	0.467	0.264	1.792
Session + Response Type + Session * Response Type + treatment	0.053	0.005	0.098	0.057	2.127
Session + treatment + Session * treatment	0.053	0.002	0.044	0.025	2.552

## Model Comparison

Models	P(M)	P(M data)	BF <sub>M</sub>	BF <sub>10</sub>	error %
Session + Response Type + treatment + Session * treatment	0.053	0.015	0.265	0.152	3.619
Session + Response Type + Session * Response Type + treatment + Session * treatment	0.053	0.003	0.056	0.032	4.644
Response Type + treatment + Response Type * treatment	0.053	0.034	0.629	0.353	2.535
Session + Response Type + treatment + Response Type * treatment	0.053	0.009	0.162	0.093	18.916
Session + Response Type + Session * Response Type + treatment + Response Type * treatment	0.053	0.001	0.027	0.016	3.707
Session + Response Type + treatment + Session * treatment + Response Type * treatment	0.053	0.003	0.063	0.036	2.505
Session + Response Type + Session * Response Type + treatment + Session * treatment + Response Type * treatment	0.053	0.001	0.018	0.010	13.809
Session + Response Type + Session * Response Type + treatment + Session * treatment + Response Type * treatment + Session * Response Type * treatment	0.053	3.991e -4	0.007	0.004	8.901

*Note.* All models include subject.