**Results**

**Bayesian Repeated Measures ANOVA**

| **Model Comparison**  |
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| **Models**  | **P(M)**  | **P(M|data)**  | **BF M**  | **BF 10**  | **error %**  |
| Null model (incl. subject)  |  | 0.053  |  | 1.878e -541  |  | 3.381e -540  |  | 1.000  |  |  |  |
| CS  |  | 0.053  |  | 2.600e -405  |  | 4.681e -404  |  | 1.384e +136  |  | 1.576  |  |
| Block  |  | 0.053  |  | 2.444e -546  |  | 4.399e -545  |  | 1.301e  -5  |  | 0.392  |  |
| CS + Block  |  | 0.053  |  | 6.037e -410  |  | 1.087e -408  |  | 3.214e +131  |  | 2.226  |  |
| CS + Block + CS  ✻  Block  |  | 0.053  |  | 3.625e  -5  |  | 6.526e  -4  |  | 1.930e +536  |  | 2.151  |  |
| Group  |  | 0.053  |  | 7.805e -542  |  | 1.405e -540  |  | 0.416  |  | 1.931  |  |
| CS + Group  |  | 0.053  |  | 1.119e -405  |  | 2.015e -404  |  | 5.959e +135  |  | 1.770  |  |
| Block + Group  |  | 0.053  |  | 9.808e -547  |  | 1.765e -545  |  | 5.221e  -6  |  | 1.027  |  |
| CS + Block + Group  |  | 0.053  |  | 2.578e -410  |  | 4.641e -409  |  | 1.373e +131  |  | 2.415  |  |
| CS + Block + CS  ✻  Block + Group  |  | 0.053  |  | 1.750e  -5  |  | 3.151e  -4  |  | 9.319e +535  |  | 1.494  |  |
| CS + Group + CS  ✻  Group  |  | 0.053  |  | 1.499e -402  |  | 2.697e -401  |  | 7.978e +138  |  | 11.376  |  |
| CS + Block + Group + CS  ✻  Group  |  | 0.053  |  | 2.833e -407  |  | 5.100e -406  |  | 1.508e +134  |  | 2.190  |  |
| CS + Block + CS  ✻  Block + Group + CS  ✻  Group  |  | 0.053  |  | 1.000  |  | 290844.272  |  | 5.323e +540  |  | 2.541  |  |
| Block + Group + Block  ✻  Group  |  | 0.053  |  | 4.391e -552  |  | 7.904e -551  |  | 2.338e  -11  |  | 2.810  |  |
| CS + Block + Group + Block  ✻  Group  |  | 0.053  |  | 1.256e -415  |  | 2.260e -414  |  | 6.685e +125  |  | 2.132  |  |
| CS + Block + CS  ✻  Block + Group + Block  ✻  Group  |  | 0.053  |  | 1.424e  -10  |  | 2.562e  -9  |  | 7.579e +530  |  | 2.103  |  |
| CS + Block + Group + CS  ✻  Group + Block  ✻  Group  |  | 0.053  |  | 1.340e -412  |  | 2.412e -411  |  | 7.134e +128  |  | 3.739  |  |
| CS + Block + CS  ✻  Block + Group + CS  ✻  Group + Block  ✻  Group  |  | 0.053  |  | 8.106e  -6  |  | 1.459e  -4  |  | 4.316e +535  |  | 2.515  |  |
| CS + Block + CS  ✻  Block + Group + CS  ✻  Group + Block  ✻  Group + CS  ✻  Block  ✻  Group  |  | 0.053  |  | 1.994e  -8  |  | 3.590e  -7  |  | 1.062e +533  |  | 2.198  |  |
|  |
| *Note.*  All models include subject.  |
| **Analysis of Effects**  |
| **Effects**  | **P(incl)**  | **P(incl|data)**  | **BF Inclusion**  |
| CS  |  | 0.263  |  | 0.000  |  | NaN  |  |
| Block  |  | 0.263  |  | 0.000  |  | NaN  |  |
| Group  |  | 0.263  |  | 1.750e -5  |  | 0.483  |  |
| CS  ✻  Block  |  | 0.263  |  | 1.000  |  | ∞  |  |
| CS  ✻  Group  |  | 0.263  |  | 1.000  |  | 57125.936  |  |
| Block  ✻  Group  |  | 0.263  |  | 8.106e -6  |  | 8.107e -6  |  |
| CS  ✻  Block  ✻  Group  |  | 0.053  |  | 1.994e -8  |  | 0.002  |  |
|  |
| *Note.*  Compares models that contain the effect to equivalent models stripped of the effect. Higher-order interactions are excluded. Analysis suggested by Sebastiaan MathÃ´t.  |