

WREM Study 2 Mixed-model Regression Results

These analyses are performed in R using lmer and r.squaredGLMM functions. These functions require the lme4

Factor labels are as follows for this analysis:

DxQual - DxEffect

Subj - Subject

SubjPsychFix - SubjPsychFix

P - Psych

E- Extrav

N - Neuro

C - EnvStim

S - ProStruc

G - SptGrp

Linear mixed model fit by REML ['lmerMod']

Formula: (DxEffect - 3)^(1/1) ~ (1 | Subj) + P + E + N + C + S + G + P *

C + P * S + P * G + E * C + E * G + N * C + N * G + C * G +

P * C * G + E * C * G + N * C * G + (1 | SubjPsychFix)

Data: Study2Completeredux

REML criterion at convergence: 451.7

Scaled residuals:

Min	1Q	Median	3Q	Max
-3.0593	-0.6997	0.1138	0.6248	1.8577

Random effects:

Groups	Name	Variance	Std.Dev.
Subj	(Intercept)	0.00997	0.09985
SubjPsychFix	(Intercept)	0.01996	0.14128
Residual		0.63881	0.79926

Number of obs: 182, groups: Subj, 22; SubjPsychFix, 14

Fixed effects:

	Estimate	Std. Error	t value
(Intercept)	0.647803	0.18872	3.433
P	-0.016321	0.234416	-0.07
E	0.27089	0.177581	1.525
N	-0.132644	0.10968	-1.209
C	-0.347955	0.510605	-0.681
S	0.085521	0.213468	0.401
G	-0.009005	0.242017	-0.037
P:C	0.944869	0.611848	1.544
P:S	-0.274683	0.282237	-0.973
P:G	-0.796498	0.329592	-2.417
E:C	-0.553514	0.468787	-1.181

E:G	0.360548	0.204639	1.762
N:C	0.11777	0.295485	0.399
N:G	0.00674	0.131081	0.051
C:G	0.335501	0.643913	0.521
P:C:G	-1.591539	0.782131	-2.035
E:C:G	0.86164	0.55057	1.565
N:C:G	-0.042724	0.370967	-0.115

Correlation matrix not shown by default, as $p = 18 > 12$.

Use `print(x, correlation=TRUE)` or

`vcov(x)` if you need it

`r.squaredGLMM(Study2Modelmixedredux)`

R2m[arginal] R2c[conditional]

[1,] 0.2698556 0.3025332

‡; MuMIn packages.