N170 Individual Average data- maximal model

Linear mixed model fit by REML

t-tests use Satterthwaite approximations to degrees of freedom ['lmerMod']

Formula: Peak ~ faceRace \* FixArea + Electrode + (faceRace \* FixArea | Subject)

Data: datN170

REML criterion at convergence: 3566.2

Scaled residuals:

Min 1Q Median 3Q Max

-3.6333 -0.5254 0.0336 0.5920 2.8260

Random effects:

Groups Name Variance Std.Dev. Corr

Subject (Intercept) 6.3169 2.5133

faceRaceWhite 0.7627 0.8733 -0.54

FixAreafore 1.8637 1.3652 -0.54 0.66

faceRaceWhite:FixAreafore 1.3564 1.1647 0.44 -0.70 -0.86

Residual 3.5273 1.8781

Number of obs: 816, groups: Subject, 51

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) -3.96294 0.39258 59.60000 -10.095 1.62e-14 \*\*\*

faceRaceWhite 0.45587 0.22257 50.00000 2.048 0.0458 \*

FixAreafore 0.15857 0.26669 50.00000 0.595 0.5548

ElectrodeP8/T6 -1.34033 0.18596 609.00000 -7.208 1.69e-12 \*\*\*

ElectrodeTP7 0.95188 0.18596 609.00000 5.119 4.13e-07 \*\*\*

ElectrodeTP8 0.15938 0.18596 609.00000 0.857 0.3917

faceRaceWhite:FixAreafore 0.01551 0.30945 50.00000 0.050 0.9602

AIC BIC logLik deviance df.resid

3592.272 3676.951 -1778.136 3556.272 798.000

N170 Individual Average data- varying intercept model

Linear mixed model fit by REML

t-tests use Satterthwaite approximations to degrees of freedom ['lmerMod']

Formula: Peak ~ faceRace \* FixArea + Electrode + (1 | Subject)

Data: datN170

REML criterion at convergence: 3588.4

Scaled residuals:

Min 1Q Median 3Q Max

-3.8830 -0.5658 0.0333 0.5949 2.8623

Random effects:

Groups Name Variance Std.Dev.

Subject (Intercept) 4.484 2.117

Residual 3.938 1.985

Number of obs: 816, groups: Subject, 51

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) -3.96294 0.34885 85.60000 -11.360 < 2e-16 \*\*\*

faceRaceWhite 0.45587 0.19650 759.00000 2.320 0.0206 \*

FixAreafore 0.15857 0.19650 759.00000 0.807 0.4199

ElectrodeP8/T6 -1.34033 0.19650 759.00000 -6.821 1.85e-11 \*\*\*

ElectrodeTP7 0.95188 0.19650 759.00000 4.844 1.54e-06 \*\*\*

ElectrodeTP8 0.15938 0.19650 759.00000 0.811 0.4176

faceRaceWhite:FixAreafore 0.01551 0.27789 759.00000 0.056 0.9555

AIC BIC logLik deviance df.resid

3595.949 3638.289 -1788.975 3577.949 807.000