Generalized linear mixed-effects model fit by PL

Model information:

Number of observations 23938

Fixed effects coefficients 3

Random effects coefficients 95

Covariance parameters 3

Distribution Normal

Link Identity

FitMethod MPL

Formula:

Response ~ 1 + PatchDifference + Congruency + (1 | Participant) + (1 | Image)

Model fit statistics:

AIC BIC LogLikelihood Deviance

25284 25332 -12636 25272

Fixed effects coefficients (95% CIs):

Name Estimate SE tStat DF pValue Lower Upper

'(Intercept)' 0.41141 0.017485 23.529 23935 4.8916e-121 0.37714 0.44568

'PatchDifference' -5.4825e-08 9.6813e-10 -56.63 23935 0 -5.6723e-08 -5.2927e-08

'Congruency\_1' 0.0049667 0.0054131 0.91752 23935 0.35888 -0.0056434 0.015577

Random effects covariance parameters:

Group: Participant (15 Levels)

Name1 Name2 Type Estimate

'(Intercept)' '(Intercept)' 'std' 0.060786

Group: Image (80 Levels)

Name1 Name2 Type Estimate

'(Intercept)' '(Intercept)' 'std' 0.055445

Group: Error

Name Estimate

'sqrt(Dispersion)' 0.40848

glm2 =

Generalized linear mixed-effects model fit by PL

Model information:

Number of observations 23938

Fixed effects coefficients 3

Random effects coefficients 110

Covariance parameters 5

Distribution Normal

Link Identity

FitMethod MPL

Formula:

Response ~ 1 + PatchDifference + Congruency + (1 + PatchDifference | Participant) + (1 | Image)

Model fit statistics:

AIC BIC LogLikelihood Deviance

25580 25645 -12782 25564

Fixed effects coefficients (95% CIs):

Name Estimate SE tStat DF pValue Lower Upper

'(Intercept)' 0.41262 0.11127 3.7082 23935 0.00020923 0.19452 0.63072

'PatchDifference' -5.5031e-08 2.5349e-06 -0.02171 23935 0.98268 -5.0235e-06 4.9135e-06

'Congruency\_1' 0.0037644 0.0054214 0.69437 23935 0.48746 -0.0068618 0.014391

Random effects covariance parameters:

Group: Participant (15 Levels)

Name1 Name2 Type Estimate

'(Intercept)' '(Intercept)' 'std' 0.42129

'PatchDifference' '(Intercept)' 'corr' -0.97656

'PatchDifference' 'PatchDifference' 'std' 9.8175e-06

Group: Image (80 Levels)

Name1 Name2 Type Estimate

'(Intercept)' '(Intercept)' 'std' 0.20561

Group: Error

Name Estimate

'sqrt(Dispersion)' 0.40719

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Generalized linear mixed-effects model fit by PL

Model information:

Number of observations 18714

Fixed effects coefficients 6

Random effects coefficients 95

Covariance parameters 2

Distribution Binomial

Link Logit

FitMethod MPL

Formula:

Response ~ 1 + PatchDifference\*PatchType + (1 | Participant) + (1 | Image)

Model fit statistics:

AIC BIC LogLikelihood Deviance

97230 97292 -48607 97214

Fixed effects coefficients (95% CIs):

Name Estimate SE tStat DF pValue Lower Upper

'(Intercept)' -0.46236 0.18689 -2.474 18708 0.01337 -0.82868 -0.096041

'PatchDifference' 5.1329e-08 8.2931e-08 0.61894 18708 0.53596 -1.1122e-07 2.1388e-07

'PatchType\_1' -0.3584 0.17265 -2.0759 18708 0.037917 -0.6968 -0.019995

'PatchType\_2' 2.4401 0.12821 19.032 18708 5.2929e-80 2.1888 2.6914

'PatchDifference:PatchType\_1' -2.2833e-08 1.1855e-07 -0.1926 18708 0.84727 -2.5521e-07 2.0954e-07

'PatchDifference:PatchType\_2' 6.8403e-09 8.336e-08 0.082058 18708 0.9346 -1.5655e-07 1.7023e-07

Random effects covariance parameters:

Group: Participant (15 Levels)

Name1 Name2 Type Estimate

'(Intercept)' '(Intercept)' 'std' 0.52075

Group: Image (80 Levels)

Name1 Name2 Type Estimate

'(Intercept)' '(Intercept)' 'std' 0.41194

Group: Error

Name Estimate

'sqrt(Dispersion)' 1

Generalized linear mixed-effects model fit by PL

Model information:

Number of observations 18714

Fixed effects coefficients 4

Random effects coefficients 95

Covariance parameters 2

Distribution Binomial

Link Logit

FitMethod REMPL

Formula:

Response ~ 1 + PatchDifference + PatchType + (1 | Participant) + (1 | Image)

Model fit statistics:

AIC BIC LogLikelihood Deviance

97281 97328 -48634 97269

Fixed effects coefficients (95% CIs):

Name Estimate SE tStat DF pValue Lower Upper

'(Intercept)' -0.4689 0.17104 -2.7415 18710 0.0061214 -0.80415 -0.13365

'PatchDifference' 5.7796e-08 9.6321e-09 6.0004 18710 2.0045e-09 3.8917e-08 7.6676e-08

'PatchType\_1' -0.38 0.12811 -2.9661 18710 0.0030196 -0.63111 -0.12889

'PatchType\_2' 2.4483 0.09468 25.859 18710 6.7331e-145 2.2627 2.6339

Random effects covariance parameters:

Group: Participant (15 Levels)

Name1 Name2 Type Estimate

'(Intercept)' '(Intercept)' 'std' 0.53776

Group: Image (80 Levels)

Name1 Name2 Type Estimate

'(Intercept)' '(Intercept)' 'std' 0.41271

Group: Error

Name Estimate

'sqrt(Dispersion)' 1

eneralized linear mixed-effects model fit by PL

Model information:

Number of observations 18714

Fixed effects coefficients 2

Random effects coefficients 95

Covariance parameters 2

Distribution Binomial

Link Logit

FitMethod MPL

Formula:

Response ~ 1 + PatchDifference + (1 | Participant) + (1 | Image)

Model fit statistics:

AIC BIC LogLikelihood Deviance

94668 94699 -47330 94660

Fixed effects coefficients (95% CIs):

Name Estimate SE tStat DF pValue Lower Upper

'(Intercept)' 1.361 0.12814 10.621 18712 2.8331e-26 1.1098 1.6122

'PatchDifference' 1.586e-07 9.3517e-09 16.96 18712 4.8969e-64 1.4027e-07 1.7693e-07

Random effects covariance parameters:

Group: Participant (15 Levels)

Name1 Name2 Type Estimate

'(Intercept)' '(Intercept)' 'std' 0.45334

Group: Image (80 Levels)

Name1 Name2 Type Estimate

'(Intercept)' '(Intercept)' 'std' 0.35355

Group: Error

Name Estimate

'sqrt(Dispersion)' 1