A screenshot of a computer

AI-generated content may be incorrect.

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Linear mixed-effects model fit by REML

Model information:

Number of observations 216

Fixed effects coefficients 9

Random effects coefficients 24

Covariance parameters 5

Formula:

PV\_correlation ~ 1 + size + PostS\*NeuronCategory + REM\*NeuronCategory + NeuronCategory\*Time + (1 + PostS + REM + NeuronCategory | MouseID)

Model fit statistics:

AIC BIC LogLikelihood Deviance

-159.73 -113.07 93.864 -187.73

Fixed effects coefficients (95% CIs):

Name Estimate SE tStat DF pValue Lower Upper

{'(Intercept)' } 0.30465 0.21942 1.3884 207 0.1665 -0.12793 0.73723

{'PostS\_1' } -0.05816 0.046694 -1.2456 207 0.21433 -0.15022 0.033896

{'REM\_1' } -0.26624 0.064861 -4.1048 207 5.8203e-05 -0.39412 -0.13837

{'NeuronCategory\_1' } 0.24816 0.15114 1.6419 207 0.10212 -0.049809 0.54614

{'Time' } -0.0043226 0.00058216 -7.4251 207 2.8881e-12 -0.0054703 -0.0031749

{'size' } 0.003441 0.0017825 1.9305 207 0.054917 -7.3141e-05 0.0069551

{'PostS\_1:NeuronCategory\_1'} -0.00093294 0.066035 -0.014128 207 0.98874 -0.13112 0.12925

{'REM\_1:NeuronCategory\_1' } 0.21794 0.091727 2.376 207 0.018416 0.0371 0.39878

{'NeuronCategory\_1:Time' } 0.0027653 0.0008233 3.3588 207 0.00093183 0.0011422 0.0043884

ANOVA marginal tests: DFMethod = 'Residual'

Term FStat DF1 DF2 pValue

{'(Intercept)' } 1.9277 1 207 0.1665

{'PostS' } 1.5514 1 207 0.21433

{'REM' } 16.85 1 207 5.8203e-05

{'NeuronCategory' } 2.6959 1 207 0.10212

{'Time' } 55.132 1 207 2.8881e-12

{'size' } 3.7267 1 207 0.054917

{'PostS:NeuronCategory'} 0.0001996 1 207 0.98874

{'REM:NeuronCategory' } 5.6451 1 207 0.018416

{'NeuronCategory:Time' } 11.281 1 207 0.00093183