Association Analyses Models 2 (Code name: “Association Analyses\_SWN2RT\_2”)

Association Analyses Ignoring Trial

          SlowWave (4 level Condition) -> N2

          SlowWave (2x2 Condition) -> N2

          RT (4 level Condition) -> SlowWave

          RT (2x2 Condition)  ->  SlowWave

Disaggregate Analyses

          SWbetween and SWwithin -> N2

          SWbetween and SWwithin WITH Cond (4 levels) -> N2

          SWbetween and SWwithin WITH Cond (2X2 levels) -> N2

          SWbetween and SWwithin -> RT

          SWbetween and SWwithin WITH Cond (4 levels) -> RT

          SWbetween and SWwithin WITH Cond (2X2 levels) -> RT

Difference Scores Across Time

          Trial x Cond(4 levels) <- (N2Curr-SlowWavePrev)

          Trial x Cond(2X2 levels) <- (N2Curr-SlowWavePrev)

Separate and Association Analyses Models 1 (Code name: Separate&Association\_Analyses\_1)

Means

Means by Condition

Separate Variable Analyses

          Prev X Curr -> RT

Means

Prev X Curr -> RT (ANOVA version; non-mixed model)

Prev X Curr -> N2

Means

Prev X Curr -> SW

Means

Disaggregate Analyses (SlowWavePrevious predicting N2 and then RT)

SWbetween and SWwithin -> N2

SWbetween and SWwithin WITH Cond (4 levels) -> N2

SWbetween and SWwithin WITH Cond (2X2 levels) -> N2

SWbetween and SWwithin -> RT

SWbetween and SWwithin WITH Cond (4 levels) -> RT

SWbetween and SWwithin WITH Cond (2X2 levels) -> RT

Separate Variable Analyses Across Time

Trial X Cond (4 levels) -> RT

Trial X Cond (2X2 levels) -> RT

Trial X Cond (4 levels) -> N2

Trial X Cond (2X2 levels) -> N2

Trial X Cond (4 levels) -> SW

Trial X Cond (2X2 levels) -> SW

Difference Scores Across Time

Trial x Cond(4 levels) <- (N2Curr - SlowWavePrev)

Trial x Cond(2X2 levels) <- (N2Curr - SlowWavePrev)

Trial x Cond(4 levels) <- (RT - SlowWavePrev)

Trial x Cond(2X2 levels) <- (RT - SlowWavePrev)

Trial x Cond(4 levels) <- (RT - N2Curr)

Trial x Cond(2X2 levels) <- (RT - N2Curr)