‏‏12/01/2022

Mixed linear model for all cue types together

Where the participant is defined as a random factor

|  |  |
| --- | --- |
| Response Variable | Log (Average of the total #cues at each boundary) |

| Class Level Information |
| --- |
| Class | Levels | Values |
| Level | 3 | Low Middle High |
| Age | 2 | Young Old |

|  |  |
| --- | --- |
| Number of Observations  | 30 |

| Covariance Parameter Estimates |
| --- |
| Cov Parm | Subject | Estimate | StandardError |
| Intercept | Participant | 0.04093 | 0.02868 |
| Residual |   | 0.04617 | 0.01632 |

| Type III Tests of Fixed Effects |
| --- |
| Effect | Num DF | Den DF | F Value | Pr > F |
| Age | 1 | 16 | 0.04 | 0.8379 |
| Level | 2 | 16 | 28.31 | <.0001 |
| Level\*Age | 2 | 16 | 0.41 | 0.6726 |

**Solutions for Fixed Effects**

| Effect |  |  | Estimate | StandardError | DF | t Value | Pr > |t| |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Intercept |   |   | 1.3627 | 0.1320 | 8 | 10.32 | <.0001 |
| Age | Young vs. Old |  | 0.0503 | 0.1867 | 16 | 0.27 | 0.7909 |
| Level | Low vs. High |  | -0.6228 | 0.1359 | 16 | -4.58 | 0.0003 |
| Middle vs. High |  | -0.4408 | 0.1359 | 16 | -3.24 | 0.0051 |
| Level\*Age | Young vs. Old | Low vs. High | -0.1725 | 0.1922 | 16 | -0.90 | 0.3827 |
| Middle vs. High | -0.0721 | 0.1922 | 16 | -0.38 | 0.7123 |

