ELSA : Seed report

Date: 2016-12-05

Table of Contents

This report contains a searchable table, followed by publication-ready tables.

# Available models

Study **ELSA** have contributed the following outcome pairs to the IASLA-2015-Portland model pool: NULL

|  |  |  |
| --- | --- | --- |
| process\_a | process\_b | n\_models |
| grip | word\_de | 2 |
| grip | word\_im | 2 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| study\_name | subgroup | model\_type | process\_a | process\_b | n\_models |
| elsa | female | aehplus | grip | word\_de | 1 |
| elsa | female | aehplus | grip | word\_im | 1 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| study\_name | subgroup | model\_type | process\_a | process\_b | n\_models |
| elsa | male | aehplus | grip | word\_de | 1 |
| elsa | male | aehplus | grip | word\_im | 1 |

# female

Gender = *female*; Model type: *aehplus*; Process (a) = *grip*; Process (b): *word\_de*, *word\_im*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| process | label | word\_de | word\_im | mean(sd) |
| ab | Covar (Levels) | 0.65 (0.17) <.01 | 0.48 (0.16) <.01 | --- |
| ab | Covar (Slopes) | 0.00 (0.00) .99 | 0.00 (0.00) .92 | --- |
| ab | Covar (Residuals) | 0.09 (0.09) .31 | 0.05 (0.08) .52 | --- |
| er | Corr (Levels) | 0.13 (0.03) <.01 | 0.12 (0.04) <.01 | --- |
| er | Corr (Slopes) | -0.01 (0.66) .99 | -0.03 (0.29) .92 | --- |
| er | Corr (Residuals) | 0.02 (0.02) .31 | 0.01 (0.02) .52 | --- |
| a | Level | 20.28 (0.18) <.01 | 20.27 (0.18) <.01 | 20.27(0.00) |
| a | Slope | -0.29 (0.02) <.01 | -0.29 (0.02) <.01 | -0.29(0.00) |
| a | Level \* age | -0.25 (0.01) <.01 | -0.25 (0.01) <.01 | -0.25(0.00) |
| a | Level \* education | 0.99 (0.19) <.01 | 0.99 (0.19) <.01 | 0.99(0.00) |
| a | Level \* height | 0.21 (0.01) <.01 | 0.21 (0.01) <.01 | 0.21(0.00) |
| a | Level \* smoking | -0.18 (0.17) .29 | -0.18 (0.17) .30 | -0.18(0.00) |
| a | Level \* cardio | -1.61 (0.34) <.01 | -1.61 (0.34) <.01 | -1.61(0.00) |
| a | Level \* diabetes | -1.40 (0.40) <.01 | -1.40 (0.40) <.01 | -1.40(0.00) |
| a | Slope \* age | -0.01 (0.00) <.01 | -0.01 (0.00) <.01 | -0.01(0.00) |
| a | Slope \* education | -0.01 (0.02) .44 | -0.01 (0.02) .46 | -0.01(0.00) |
| a | Slope \* height | -0.00 (0.00) .06 | -0.00 (0.00) .05 | -0.00(0.00) |
| a | Slope \* smoking | 0.00 (0.02) .92 | 0.00 (0.02) .94 | 0.00(0.00) |
| a | Slope \* cardio | 0.05 (0.04) .17 | 0.05 (0.04) .19 | 0.05(0.00) |
| a | Slope \* diabetes | 0.00 (0.04) .91 | 0.00 (0.04) .92 | 0.00(0.00) |
| b | Level | 3.89 (0.06) <.01 | 5.31 (0.05) <.01 | --- |
| b | Slope | -0.04 (0.01) <.01 | -0.04 (0.01) <.01 | --- |
| b | Level \* age | -0.07 (0.00) <.01 | -0.06 (0.00) <.01 | --- |
| b | Level \* education | 1.00 (0.07) <.01 | 0.72 (0.06) <.01 | --- |
| b | Level \* height | 0.02 (0.00) <.01 | 0.01 (0.00) .05 | --- |
| b | Level \* smoking | -0.22 (0.06) <.01 | -0.04 (0.05) .46 | --- |
| b | Level \* cardio | -0.14 (0.12) .24 | -0.23 (0.11) .04 | --- |
| b | Level \* diabetes | -0.38 (0.16) .02 | -0.32 (0.14) .02 | --- |
| b | Slope \* age | -0.00 (0.00) <.01 | -0.00 (0.00) <.01 | --- |
| b | Slope \* education | -0.00 (0.01) .59 | 0.01 (0.01) .05 | --- |
| b | Slope \* height | 0.00 (0.00) .56 | 0.00 (0.00) .31 | --- |
| b | Slope \* smoking | 0.01 (0.01) .07 | -0.00 (0.01) .60 | --- |
| b | Slope \* cardio | -0.01 (0.02) .69 | 0.01 (0.01) .69 | --- |
| b | Slope \* diabetes | 0.01 (0.02) .62 | 0.01 (0.02) .60 | --- |
| a | Var (Level) | 17.96 (0.84) <.01 | 17.95 (0.84) <.01 | 17.96(0.00) |
| a | Var (Slope) | 0.02 (0.01) .02 | 0.02 (0.01) .02 | 0.02(0.00) |
| a | Var (Residual) | 8.39 (0.41) <.01 | 8.38 (0.41) <.01 | 8.39(0.00) |
| b | Var (Level) | 1.44 (0.10) <.01 | 0.94 (0.09) <.01 | --- |
| b | Var (Slope) | 0.00 (0.00) .74 | 0.00 (0.00) .12 | --- |
| b | Var (Residual) | 1.91 (0.07) <.01 | 1.61 (0.06) <.01 | --- |
| a | Covar (Level, Slope) | -0.15 (0.07) .03 | -0.15 (0.07) .03 | -0.15(0.00) |
| b | Covar (Level, Slope) | 0.01 (0.01) .35 | -0.01 (0.01) .45 | --- |
|  | Correlation of Levels | 0.128 | 0.116 | 0.12(0.01) |
|  | Correlation of Slopes | 0.000 | 0.000 | 0.00(0.00) |
|  | Correlation of Residuals | 0.023 | 0.015 | 0.02(0.01) |
|  | N | 3,393 | 3,391 | 3392.00(1.41) |
|  | occasions | 6 | 6 | 6.00(0.00) |
|  | parameters | 41 | 41 | 41.00(0.00) |
|  | LL | -37,326 | -36,379 | -3.685255e+04( 669) |
|  | AIC | 74,734 | 72,840 | 7.378709e+04(1,339) |
|  | BIC | 74,985 | 73,092 | 7.403839e+04(1,339) |

## word\_de

Gender = *female*; Process (a) = *grip*; Process (b) = *word\_de*

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | 0.65 (0.17) <.01 |
| ab | Covar (Slopes) | 0.00 (0.00) .99 |
| ab | Covar (Residuals) | 0.09 (0.09) .31 |
| er | Corr (Levels) | 0.13 (0.03) <.01 |
| er | Corr (Slopes) | -0.01 (0.66) .99 |
| er | Corr (Residuals) | 0.02 (0.02) .31 |
| a | Level | 20.28 (0.18) <.01 |
| a | Slope | -0.29 (0.02) <.01 |
| a | Level \* age | -0.25 (0.01) <.01 |
| a | Level \* education | 0.99 (0.19) <.01 |
| a | Level \* height | 0.21 (0.01) <.01 |
| a | Level \* smoking | -0.18 (0.17) .29 |
| a | Level \* cardio | -1.61 (0.34) <.01 |
| a | Level \* diabetes | -1.40 (0.40) <.01 |
| a | Slope \* age | -0.01 (0.00) <.01 |
| a | Slope \* education | -0.01 (0.02) .44 |
| a | Slope \* height | -0.00 (0.00) .06 |
| a | Slope \* smoking | 0.00 (0.02) .92 |
| a | Slope \* cardio | 0.05 (0.04) .17 |
| a | Slope \* diabetes | 0.00 (0.04) .91 |
| b | Level | 3.89 (0.06) <.01 |
| b | Slope | -0.04 (0.01) <.01 |
| b | Level \* age | -0.07 (0.00) <.01 |
| b | Level \* education | 1.00 (0.07) <.01 |
| b | Level \* height | 0.02 (0.00) <.01 |
| b | Level \* smoking | -0.22 (0.06) <.01 |
| b | Level \* cardio | -0.14 (0.12) .24 |
| b | Level \* diabetes | -0.38 (0.16) .02 |
| b | Slope \* age | -0.00 (0.00) <.01 |
| b | Slope \* education | -0.00 (0.01) .59 |
| b | Slope \* height | 0.00 (0.00) .56 |
| b | Slope \* smoking | 0.01 (0.01) .07 |
| b | Slope \* cardio | -0.01 (0.02) .69 |
| b | Slope \* diabetes | 0.01 (0.02) .62 |
| a | Var (Level) | 17.96 (0.84) <.01 |
| a | Var (Slope) | 0.02 (0.01) .02 |
| a | Var (Residual) | 8.39 (0.41) <.01 |
| b | Var (Level) | 1.44 (0.10) <.01 |
| b | Var (Slope) | 0.00 (0.00) .74 |
| b | Var (Residual) | 1.91 (0.07) <.01 |
| a | Covar (Level, Slope) | -0.15 (0.07) .03 |
| b | Covar (Level, Slope) | 0.01 (0.01) .35 |
|  | Correlation of Levels | 0.128 |
|  | Correlation of Slopes | 0.000 |
|  | Correlation of Residuals | 0.023 |
|  | N | 3,393 |
|  | occasions | 6 |
|  | parameters | 41 |
|  | LL | -37,326 |
|  | AIC | 74,734 |
|  | BIC | 74,985 |

## word\_im

Gender = *female*; Process (a) = *grip*; Process (b) = *word\_im*

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | 0.48 (0.16) <.01 |
| ab | Covar (Slopes) | 0.00 (0.00) .92 |
| ab | Covar (Residuals) | 0.05 (0.08) .52 |
| er | Corr (Levels) | 0.12 (0.04) <.01 |
| er | Corr (Slopes) | -0.03 (0.29) .92 |
| er | Corr (Residuals) | 0.01 (0.02) .52 |
| a | Level | 20.27 (0.18) <.01 |
| a | Slope | -0.29 (0.02) <.01 |
| a | Level \* age | -0.25 (0.01) <.01 |
| a | Level \* education | 0.99 (0.19) <.01 |
| a | Level \* height | 0.21 (0.01) <.01 |
| a | Level \* smoking | -0.18 (0.17) .30 |
| a | Level \* cardio | -1.61 (0.34) <.01 |
| a | Level \* diabetes | -1.40 (0.40) <.01 |
| a | Slope \* age | -0.01 (0.00) <.01 |
| a | Slope \* education | -0.01 (0.02) .46 |
| a | Slope \* height | -0.00 (0.00) .05 |
| a | Slope \* smoking | 0.00 (0.02) .94 |
| a | Slope \* cardio | 0.05 (0.04) .19 |
| a | Slope \* diabetes | 0.00 (0.04) .92 |
| b | Level | 5.31 (0.05) <.01 |
| b | Slope | -0.04 (0.01) <.01 |
| b | Level \* age | -0.06 (0.00) <.01 |
| b | Level \* education | 0.72 (0.06) <.01 |
| b | Level \* height | 0.01 (0.00) .05 |
| b | Level \* smoking | -0.04 (0.05) .46 |
| b | Level \* cardio | -0.23 (0.11) .04 |
| b | Level \* diabetes | -0.32 (0.14) .02 |
| b | Slope \* age | -0.00 (0.00) <.01 |
| b | Slope \* education | 0.01 (0.01) .05 |
| b | Slope \* height | 0.00 (0.00) .31 |
| b | Slope \* smoking | -0.00 (0.01) .60 |
| b | Slope \* cardio | 0.01 (0.01) .69 |
| b | Slope \* diabetes | 0.01 (0.02) .60 |
| a | Var (Level) | 17.95 (0.84) <.01 |
| a | Var (Slope) | 0.02 (0.01) .02 |
| a | Var (Residual) | 8.38 (0.41) <.01 |
| b | Var (Level) | 0.94 (0.09) <.01 |
| b | Var (Slope) | 0.00 (0.00) .12 |
| b | Var (Residual) | 1.61 (0.06) <.01 |
| a | Covar (Level, Slope) | -0.15 (0.07) .03 |
| b | Covar (Level, Slope) | -0.01 (0.01) .45 |
|  | Correlation of Levels | 0.116 |
|  | Correlation of Slopes | 0.000 |
|  | Correlation of Residuals | 0.015 |
|  | N | 3,391 |
|  | occasions | 6 |
|  | parameters | 41 |
|  | LL | -36,379 |
|  | AIC | 72,840 |
|  | BIC | 73,092 |

## Summary

Study = *ELSA*; Gender = *female*; Process (a) = *grip*

Computed correlations:

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Correlation of Levels | word\_de | 0.13 |
| Correlation of Levels | word\_im | 0.12 |

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Correlation of Slopes | word\_de | 0.00 |
| Correlation of Slopes | word\_im | 0.00 |

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Correlation of Residuals | word\_de | 0.02 |
| Correlation of Residuals | word\_im | 0.01 |

P-values for corresponding covariances:

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Covariance of Levels | word\_de | 0.00 |
| Covariance of Levels | word\_im | 0.00 |

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Covariance of Slopes | word\_de | 0.99 |
| Covariance of Slopes | word\_im | 0.92 |

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Covariance of Residuals | word\_de | 0.31 |
| Covariance of Residuals | word\_im | 0.52 |

# male

Gender = *male*; Model type: *aehplus*; Process (a) = *grip*; Process (b): *word\_de*, *word\_im*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| process | label | word\_de | word\_im | mean(sd) |
| ab | Covar (Levels) | 0.29 (0.26) .27 | 0.13 (0.23) .58 | --- |
| ab | Covar (Slopes) | -0.01 (0.00) .12 | -0.00 (0.00) .12 | --- |
| ab | Covar (Residuals) | 0.15 (0.12) .22 | 0.30 (0.12) .01 | --- |
| er | Corr (Levels) | 0.04 (0.04) .27 | 0.02 (0.04) .58 | --- |
| er | Corr (Slopes) | -0.51 (0.40) .21 | -0.44 (0.34) .20 | --- |
| er | Corr (Residuals) | 0.03 (0.02) .22 | 0.06 (0.02) .01 | --- |
| a | Level | 34.31 (0.33) <.01 | 34.31 (0.33) <.01 | 34.31(0.00) |
| a | Slope | -0.45 (0.04) <.01 | -0.45 (0.04) <.01 | -0.45(0.00) |
| a | Level \* age | -0.46 (0.01) <.01 | -0.46 (0.01) <.01 | -0.46(0.00) |
| a | Level \* education | 1.21 (0.30) <.01 | 1.21 (0.30) <.01 | 1.21(0.00) |
| a | Level \* height | 0.29 (0.02) <.01 | 0.29 (0.02) <.01 | 0.29(0.00) |
| a | Level \* smoking | -0.35 (0.30) .24 | -0.34 (0.30) .24 | -0.34(0.00) |
| a | Level \* cardio | -0.32 (0.39) .41 | -0.32 (0.39) .41 | -0.32(0.00) |
| a | Level \* diabetes | -2.09 (0.50) <.01 | -2.10 (0.50) <.01 | -2.09(0.00) |
| a | Slope \* age | -0.01 (0.00) <.01 | -0.01 (0.00) <.01 | -0.01(0.00) |
| a | Slope \* education | -0.03 (0.03) .31 | -0.03 (0.03) .35 | -0.03(0.00) |
| a | Slope \* height | 0.00 (0.00) .53 | 0.00 (0.00) .56 | 0.00(0.00) |
| a | Slope \* smoking | -0.01 (0.03) .81 | -0.01 (0.03) .82 | -0.01(0.00) |
| a | Slope \* cardio | -0.13 (0.04) <.01 | -0.13 (0.04) <.01 | -0.13(0.00) |
| a | Slope \* diabetes | -0.17 (0.05) <.01 | -0.17 (0.05) <.01 | -0.17(0.00) |
| b | Level | 3.28 (0.08) <.01 | 4.88 (0.07) <.01 | --- |
| b | Slope | 0.00 (0.01) .63 | -0.03 (0.01) <.01 | --- |
| b | Level \* age | -0.07 (0.00) <.01 | -0.06 (0.00) <.01 | --- |
| b | Level \* education | 0.91 (0.07) <.01 | 0.75 (0.06) <.01 | --- |
| b | Level \* height | 0.02 (0.00) <.01 | 0.01 (0.00) <.01 | --- |
| b | Level \* smoking | 0.03 (0.07) .62 | 0.00 (0.06) .98 | --- |
| b | Level \* cardio | -0.04 (0.10) .67 | -0.13 (0.09) .12 | --- |
| b | Level \* diabetes | -0.28 (0.11) .01 | -0.10 (0.10) .35 | --- |
| b | Slope \* age | -0.00 (0.00) <.01 | -0.00 (0.00) <.01 | --- |
| b | Slope \* education | -0.01 (0.01) .22 | 0.00 (0.01) .98 | --- |
| b | Slope \* height | 0.00 (0.00) .90 | 0.00 (0.00) .04 | --- |
| b | Slope \* smoking | -0.02 (0.01) .02 | -0.02 (0.01) .04 | --- |
| b | Slope \* cardio | -0.03 (0.01) .02 | -0.01 (0.01) .57 | --- |
| b | Slope \* diabetes | -0.01 (0.02) .36 | -0.01 (0.02) .44 | --- |
| a | Var (Level) | 37.57 (1.96) <.01 | 37.38 (1.96) <.01 | 37.48(0.14) |
| a | Var (Slope) | 0.05 (0.03) .07 | 0.04 (0.03) .11 | 0.04(0.00) |
| a | Var (Residual) | 18.05 (0.93) <.01 | 18.21 (0.94) <.01 | 18.13(0.11) |
| b | Var (Level) | 1.42 (0.10) <.01 | 0.99 (0.08) <.01 | --- |
| b | Var (Slope) | 0.00 (0.00) .14 | 0.00 (0.00) .02 | --- |
| b | Var (Residual) | 1.71 (0.06) <.01 | 1.40 (0.06) <.01 | --- |
| a | Covar (Level, Slope) | -0.41 (0.19) .02 | -0.38 (0.18) .04 | -0.40(0.02) |
| b | Covar (Level, Slope) | -0.01 (0.01) .24 | -0.02 (0.01) .06 | --- |
|  | Correlation of Levels | 0.040 | 0.021 | 0.03(0.01) |
|  | Correlation of Slopes | -0.500 | -0.390 | -0.45(0.08) |
|  | Correlation of Residuals | 0.028 | 0.059 | 0.04(0.02) |
|  | N | 3,045 | 3,043 | 3044.00(1.41) |
|  | occasions | 6 | 6 | 6.00(0.00) |
|  | parameters | 41 | 41 | 41.00(0.00) |
|  | LL | -35,105 | -34,252 | -3.467861e+04( 603) |
|  | AIC | 70,292 | 68,586 | 6.943921e+04(1,206) |
|  | BIC | 70,539 | 68,833 | 6.968607e+04(1,206) |

## word\_de

Gender = *male*; Process (a) = *grip*; Process (b) = *word\_de*

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | 0.29 (0.26) .27 |
| ab | Covar (Slopes) | -0.01 (0.00) .12 |
| ab | Covar (Residuals) | 0.15 (0.12) .22 |
| er | Corr (Levels) | 0.04 (0.04) .27 |
| er | Corr (Slopes) | -0.51 (0.40) .21 |
| er | Corr (Residuals) | 0.03 (0.02) .22 |
| a | Level | 34.31 (0.33) <.01 |
| a | Slope | -0.45 (0.04) <.01 |
| a | Level \* age | -0.46 (0.01) <.01 |
| a | Level \* education | 1.21 (0.30) <.01 |
| a | Level \* height | 0.29 (0.02) <.01 |
| a | Level \* smoking | -0.35 (0.30) .24 |
| a | Level \* cardio | -0.32 (0.39) .41 |
| a | Level \* diabetes | -2.09 (0.50) <.01 |
| a | Slope \* age | -0.01 (0.00) <.01 |
| a | Slope \* education | -0.03 (0.03) .31 |
| a | Slope \* height | 0.00 (0.00) .53 |
| a | Slope \* smoking | -0.01 (0.03) .81 |
| a | Slope \* cardio | -0.13 (0.04) <.01 |
| a | Slope \* diabetes | -0.17 (0.05) <.01 |
| b | Level | 3.28 (0.08) <.01 |
| b | Slope | 0.00 (0.01) .63 |
| b | Level \* age | -0.07 (0.00) <.01 |
| b | Level \* education | 0.91 (0.07) <.01 |
| b | Level \* height | 0.02 (0.00) <.01 |
| b | Level \* smoking | 0.03 (0.07) .62 |
| b | Level \* cardio | -0.04 (0.10) .67 |
| b | Level \* diabetes | -0.28 (0.11) .01 |
| b | Slope \* age | -0.00 (0.00) <.01 |
| b | Slope \* education | -0.01 (0.01) .22 |
| b | Slope \* height | 0.00 (0.00) .90 |
| b | Slope \* smoking | -0.02 (0.01) .02 |
| b | Slope \* cardio | -0.03 (0.01) .02 |
| b | Slope \* diabetes | -0.01 (0.02) .36 |
| a | Var (Level) | 37.57 (1.96) <.01 |
| a | Var (Slope) | 0.05 (0.03) .07 |
| a | Var (Residual) | 18.05 (0.93) <.01 |
| b | Var (Level) | 1.42 (0.10) <.01 |
| b | Var (Slope) | 0.00 (0.00) .14 |
| b | Var (Residual) | 1.71 (0.06) <.01 |
| a | Covar (Level, Slope) | -0.41 (0.19) .02 |
| b | Covar (Level, Slope) | -0.01 (0.01) .24 |
|  | Correlation of Levels | 0.040 |
|  | Correlation of Slopes | -0.500 |
|  | Correlation of Residuals | 0.028 |
|  | N | 3,045 |
|  | occasions | 6 |
|  | parameters | 41 |
|  | LL | -35,105 |
|  | AIC | 70,292 |
|  | BIC | 70,539 |

## word\_im

Gender = *male*; Process (a) = *grip*; Process (b) = *word\_im*

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | 0.13 (0.23) .58 |
| ab | Covar (Slopes) | -0.00 (0.00) .12 |
| ab | Covar (Residuals) | 0.30 (0.12) .01 |
| er | Corr (Levels) | 0.02 (0.04) .58 |
| er | Corr (Slopes) | -0.44 (0.34) .20 |
| er | Corr (Residuals) | 0.06 (0.02) .01 |
| a | Level | 34.31 (0.33) <.01 |
| a | Slope | -0.45 (0.04) <.01 |
| a | Level \* age | -0.46 (0.01) <.01 |
| a | Level \* education | 1.21 (0.30) <.01 |
| a | Level \* height | 0.29 (0.02) <.01 |
| a | Level \* smoking | -0.34 (0.30) .24 |
| a | Level \* cardio | -0.32 (0.39) .41 |
| a | Level \* diabetes | -2.10 (0.50) <.01 |
| a | Slope \* age | -0.01 (0.00) <.01 |
| a | Slope \* education | -0.03 (0.03) .35 |
| a | Slope \* height | 0.00 (0.00) .56 |
| a | Slope \* smoking | -0.01 (0.03) .82 |
| a | Slope \* cardio | -0.13 (0.04) <.01 |
| a | Slope \* diabetes | -0.17 (0.05) <.01 |
| b | Level | 4.88 (0.07) <.01 |
| b | Slope | -0.03 (0.01) <.01 |
| b | Level \* age | -0.06 (0.00) <.01 |
| b | Level \* education | 0.75 (0.06) <.01 |
| b | Level \* height | 0.01 (0.00) <.01 |
| b | Level \* smoking | 0.00 (0.06) .98 |
| b | Level \* cardio | -0.13 (0.09) .12 |
| b | Level \* diabetes | -0.10 (0.10) .35 |
| b | Slope \* age | -0.00 (0.00) <.01 |
| b | Slope \* education | 0.00 (0.01) .98 |
| b | Slope \* height | 0.00 (0.00) .04 |
| b | Slope \* smoking | -0.02 (0.01) .04 |
| b | Slope \* cardio | -0.01 (0.01) .57 |
| b | Slope \* diabetes | -0.01 (0.02) .44 |
| a | Var (Level) | 37.38 (1.96) <.01 |
| a | Var (Slope) | 0.04 (0.03) .11 |
| a | Var (Residual) | 18.21 (0.94) <.01 |
| b | Var (Level) | 0.99 (0.08) <.01 |
| b | Var (Slope) | 0.00 (0.00) .02 |
| b | Var (Residual) | 1.40 (0.06) <.01 |
| a | Covar (Level, Slope) | -0.38 (0.18) .04 |
| b | Covar (Level, Slope) | -0.02 (0.01) .06 |
|  | Correlation of Levels | 0.021 |
|  | Correlation of Slopes | -0.390 |
|  | Correlation of Residuals | 0.059 |
|  | N | 3,043 |
|  | occasions | 6 |
|  | parameters | 41 |
|  | LL | -34,252 |
|  | AIC | 68,586 |
|  | BIC | 68,833 |

## Summary

Study = *ELSA*; Gender = *male*; Process (a) = *grip*

Computed correlations:

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Correlation of Levels | word\_de | 0.04 |
| Correlation of Levels | word\_im | 0.02 |

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Correlation of Slopes | word\_de | -0.50 |
| Correlation of Slopes | word\_im | -0.39 |

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Correlation of Residuals | word\_de | 0.03 |
| Correlation of Residuals | word\_im | 0.06 |

P-values for corresponding covariances:

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Covariance of Levels | word\_de | 0.27 |
| Covariance of Levels | word\_im | 0.58 |

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Covariance of Slopes | word\_de | 0.12 |
| Covariance of Slopes | word\_im | 0.12 |

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Covariance of Residuals | word\_de | 0.22 |
| Covariance of Residuals | word\_im | 0.01 |

#Session Info

R version 3.3.1 (2016-06-21)  
Platform: x86\_64-w64-mingw32/x64 (64-bit)  
Running under: Windows >= 8 x64 (build 9200)  
  
locale:  
[1] LC\_COLLATE=English\_United States.1252 LC\_CTYPE=English\_United States.1252 LC\_MONETARY=English\_United States.1252  
[4] LC\_NUMERIC=C LC\_TIME=English\_United States.1252   
  
attached base packages:  
[1] stats graphics grDevices utils datasets methods base   
  
other attached packages:  
[1] knitr\_1.14 ggplot2\_2.2.0 IalsaSynthesis\_0.1.8.9000 MplusAutomation\_0.6-4   
[5] magrittr\_1.5   
  
loaded via a namespace (and not attached):  
 [1] Rcpp\_0.12.7 formatR\_1.4 plyr\_1.8.4 highr\_0.6 tools\_3.3.1 boot\_1.3-18   
 [7] digest\_0.6.10 evaluate\_0.10 tibble\_1.2 gtable\_0.2.0 lattice\_0.20-34 texreg\_1.36.7   
[13] DBI\_0.5-1 yaml\_2.1.13 proto\_0.3-10 coda\_0.18-1 dplyr\_0.5.0 stringr\_1.1.0   
[19] htmlwidgets\_0.7 grid\_3.3.1 DT\_0.2 data.table\_1.9.6 R6\_2.2.0 rmarkdown\_1.1   
[25] gsubfn\_0.6-6 pander\_0.6.0 tidyr\_0.6.0 reshape2\_1.4.1 readr\_1.0.0 scales\_0.4.1   
[31] htmltools\_0.3.5 rsconnect\_0.5 assertthat\_0.1 testit\_0.5 colorspace\_1.2-7 xtable\_1.8-2   
[37] stringi\_1.1.2 lazyeval\_0.2.0 munsell\_0.4.3 chron\_2.3-47