ELSA : Seed report

Date: 2016-12-29

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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 |
| fev | word\_de | 2 |
| fev | word\_im | 2 |

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

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

# female

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

Warning in FUN(newX[, i], ...): no non-missing arguments to min; returning Inf

Warning in FUN(newX[, i], ...): no non-missing arguments to max; returning -Inf

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| process | label | word\_de | word\_im | mean(sd) |
| ab | Covar (Levels) | 0.02 (0.02) .25 | 0.03 (0.02) .09 | --- |
| ab | Covar (Slopes) | 0.00 (0.00) .63 | 0.00 (0.00) .68 | --- |
| ab | Covar (Residuals) | 0.01 (0.01) .57 | 0.01 (0.01) .29 | --- |
| er | Corr (Levels) | 0.05 (0.04) .25 | 0.07 (0.04) .09 | --- |
| er | Corr (Slopes) | -0.43 (1.05) .68 | -0.16 (0.43) .71 | --- |
| er | Corr (Residuals) | 0.01 (0.03) .56 | 0.02 (0.02) .28 | --- |
| a | Level | 1.88 (0.02) <.01 | 1.88 (0.02) <.01 | 1.88(0.00) |
| a | Slope | -0.02 (0.00) <.01 | -0.02 (0.00) <.01 | -0.02(0.00) |
| a | Level \* age | -0.03 (0.00) <.01 | -0.03 (0.00) <.01 | -0.03(0.00) |
| a | Level \* education | 0.10 (0.02) <.01 | 0.10 (0.02) <.01 | 0.10(0.00) |
| a | Level \* height | 0.03 (0.00) <.01 | 0.03 (0.00) <.01 | 0.03(0.00) |
| a | Level \* smoking | -0.11 (0.02) <.01 | -0.11 (0.02) <.01 | -0.11(0.00) |
| a | Level \* cardio | -0.11 (0.03) <.01 | -0.11 (0.03) <.01 | -0.11(0.00) |
| a | Level \* diabetes | -0.05 (0.04) .19 | -0.05 (0.04) .17 | -0.05(0.00) |
| a | Slope \* age | 0.00 (0.00) .42 | 0.00 (0.00) .41 | 0.00(0.00) |
| a | Slope \* education | 0.00 (0.00) .68 | 0.00 (0.00) .62 | 0.00(0.00) |
| a | Slope \* height | 0.00 (0.00) .03 | 0.00 (0.00) .02 | 0.00(0.00) |
| a | Slope \* smoking | -0.00 (0.00) .47 | -0.00 (0.00) .44 | -0.00(0.00) |
| a | Slope \* cardio | 0.00 (0.00) .49 | 0.00 (0.00) .50 | 0.00(0.00) |
| a | Slope \* diabetes | -0.00 (0.01) .54 | -0.00 (0.01) .53 | -0.00(0.00) |
| b | Level | 3.89 (0.06) <.01 | 5.29 (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 | 0.73 (0.06) <.01 | --- |
| b | Level \* height | 0.02 (0.00) <.01 | 0.01 (0.00) .05 | --- |
| b | Level \* smoking | -0.21 (0.06) <.01 | -0.04 (0.05) .49 | --- |
| b | Level \* cardio | -0.12 (0.12) .32 | -0.20 (0.10) .05 | --- |
| b | Level \* diabetes | -0.38 (0.16) .02 | -0.33 (0.14) .02 | --- |
| b | Slope \* age | -0.00 (0.00) <.01 | -0.00 (0.00) <.01 | --- |
| b | Slope \* education | -0.00 (0.01) .56 | 0.01 (0.01) .08 | --- |
| b | Slope \* height | 0.00 (0.00) .72 | 0.00 (0.00) .26 | --- |
| b | Slope \* smoking | 0.01 (0.01) .05 | -0.00 (0.01) .58 | --- |
| b | Slope \* cardio | -0.01 (0.01) .54 | 0.00 (0.01) .78 | --- |
| b | Slope \* diabetes | 0.01 (0.02) .62 | 0.01 (0.02) .55 | --- |
| a | Var (Level) | 0.14 (0.01) <.01 | 0.14 (0.01) <.01 | 0.14(0.00) |
| a | Var (Slope) | 0.00 (0.00) .56 | 0.00 (0.00) .56 | 0.00(0.00) |
| a | Var (Residual) | 0.10 (0.01) <.01 | 0.10 (0.01) <.01 | 0.10(0.00) |
| b | Var (Level) | 1.47 (0.10) <.01 | 0.97 (0.09) <.01 | --- |
| b | Var (Slope) | 0.00 (0.00) .63 | 0.00 (0.00) .07 | --- |
| b | Var (Residual) | 1.91 (0.07) <.01 | 1.60 (0.06) <.01 | --- |
| a | Covar (Level, Slope) | -0.00 (0.00) .65 | -0.00 (0.00) .67 | -0.00(0.00) |
| b | Covar (Level, Slope) | 0.01 (0.01) .37 | -0.01 (0.01) .34 | --- |
|  | Correlation of Levels | 0.047 | 0.071 | 0.06(0.02) |
|  | Correlation of Slopes | NaN | NaN | --- |
|  | Correlation of Residuals | 0.016 | 0.025 | 0.02(0.01) |
|  | N | 3,511 | 3,511 | 3511.00(0.00) |
|  | occasions | 6 | 6 | 6.00(0.00) |
|  | parameters | 41 | 41 | 41.00(0.00) |
|  | LL | -20,325 | -19,347 | -1.983632e+04( 692) |
|  | AIC | 40,733 | 38,776 | 3.975464e+04(1,383) |
|  | BIC | 40,986 | 39,029 | 4.000735e+04(1,383) |

## word\_de

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

Warning in FUN(newX[, i], ...): no non-missing arguments to min; returning Inf  
  
Warning in FUN(newX[, i], ...): no non-missing arguments to max; returning -Inf

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | 0.02 (0.02) .25 |
| ab | Covar (Slopes) | 0.00 (0.00) .63 |
| ab | Covar (Residuals) | 0.01 (0.01) .57 |
| er | Corr (Levels) | 0.05 (0.04) .25 |
| er | Corr (Slopes) | -0.43 (1.05) .68 |
| er | Corr (Residuals) | 0.01 (0.03) .56 |
| a | Level | 1.88 (0.02) <.01 |
| a | Slope | -0.02 (0.00) <.01 |
| a | Level \* age | -0.03 (0.00) <.01 |
| a | Level \* education | 0.10 (0.02) <.01 |
| a | Level \* height | 0.03 (0.00) <.01 |
| a | Level \* smoking | -0.11 (0.02) <.01 |
| a | Level \* cardio | -0.11 (0.03) <.01 |
| a | Level \* diabetes | -0.05 (0.04) .19 |
| a | Slope \* age | 0.00 (0.00) .42 |
| a | Slope \* education | 0.00 (0.00) .68 |
| a | Slope \* height | 0.00 (0.00) .03 |
| a | Slope \* smoking | -0.00 (0.00) .47 |
| a | Slope \* cardio | 0.00 (0.00) .49 |
| a | Slope \* diabetes | -0.00 (0.01) .54 |
| 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 | -0.21 (0.06) <.01 |
| b | Level \* cardio | -0.12 (0.12) .32 |
| b | Level \* diabetes | -0.38 (0.16) .02 |
| b | Slope \* age | -0.00 (0.00) <.01 |
| b | Slope \* education | -0.00 (0.01) .56 |
| b | Slope \* height | 0.00 (0.00) .72 |
| b | Slope \* smoking | 0.01 (0.01) .05 |
| b | Slope \* cardio | -0.01 (0.01) .54 |
| b | Slope \* diabetes | 0.01 (0.02) .62 |
| a | Var (Level) | 0.14 (0.01) <.01 |
| a | Var (Slope) | 0.00 (0.00) .56 |
| a | Var (Residual) | 0.10 (0.01) <.01 |
| b | Var (Level) | 1.47 (0.10) <.01 |
| b | Var (Slope) | 0.00 (0.00) .63 |
| b | Var (Residual) | 1.91 (0.07) <.01 |
| a | Covar (Level, Slope) | -0.00 (0.00) .65 |
| b | Covar (Level, Slope) | 0.01 (0.01) .37 |
|  | Correlation of Levels | 0.047 |
|  | Correlation of Slopes | NaN |
|  | Correlation of Residuals | 0.016 |
|  | N | 3,511 |
|  | occasions | 6 |
|  | parameters | 41 |
|  | LL | -20,325 |
|  | AIC | 40,733 |
|  | BIC | 40,986 |

## word\_im

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

Warning in FUN(newX[, i], ...): no non-missing arguments to min; returning Inf  
  
Warning in FUN(newX[, i], ...): no non-missing arguments to max; returning -Inf

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | 0.03 (0.02) .09 |
| ab | Covar (Slopes) | 0.00 (0.00) .68 |
| ab | Covar (Residuals) | 0.01 (0.01) .29 |
| er | Corr (Levels) | 0.07 (0.04) .09 |
| er | Corr (Slopes) | -0.16 (0.43) .71 |
| er | Corr (Residuals) | 0.02 (0.02) .28 |
| a | Level | 1.88 (0.02) <.01 |
| a | Slope | -0.02 (0.00) <.01 |
| a | Level \* age | -0.03 (0.00) <.01 |
| a | Level \* education | 0.10 (0.02) <.01 |
| a | Level \* height | 0.03 (0.00) <.01 |
| a | Level \* smoking | -0.11 (0.02) <.01 |
| a | Level \* cardio | -0.11 (0.03) <.01 |
| a | Level \* diabetes | -0.05 (0.04) .17 |
| a | Slope \* age | 0.00 (0.00) .41 |
| a | Slope \* education | 0.00 (0.00) .62 |
| a | Slope \* height | 0.00 (0.00) .02 |
| a | Slope \* smoking | -0.00 (0.00) .44 |
| a | Slope \* cardio | 0.00 (0.00) .50 |
| a | Slope \* diabetes | -0.00 (0.01) .53 |
| b | Level | 5.29 (0.05) <.01 |
| b | Slope | -0.04 (0.01) <.01 |
| b | Level \* age | -0.06 (0.00) <.01 |
| b | Level \* education | 0.73 (0.06) <.01 |
| b | Level \* height | 0.01 (0.00) .05 |
| b | Level \* smoking | -0.04 (0.05) .49 |
| b | Level \* cardio | -0.20 (0.10) .05 |
| b | Level \* diabetes | -0.33 (0.14) .02 |
| b | Slope \* age | -0.00 (0.00) <.01 |
| b | Slope \* education | 0.01 (0.01) .08 |
| b | Slope \* height | 0.00 (0.00) .26 |
| b | Slope \* smoking | -0.00 (0.01) .58 |
| b | Slope \* cardio | 0.00 (0.01) .78 |
| b | Slope \* diabetes | 0.01 (0.02) .55 |
| a | Var (Level) | 0.14 (0.01) <.01 |
| a | Var (Slope) | 0.00 (0.00) .56 |
| a | Var (Residual) | 0.10 (0.01) <.01 |
| b | Var (Level) | 0.97 (0.09) <.01 |
| b | Var (Slope) | 0.00 (0.00) .07 |
| b | Var (Residual) | 1.60 (0.06) <.01 |
| a | Covar (Level, Slope) | -0.00 (0.00) .67 |
| b | Covar (Level, Slope) | -0.01 (0.01) .34 |
|  | Correlation of Levels | 0.071 |
|  | Correlation of Slopes | NaN |
|  | Correlation of Residuals | 0.025 |
|  | N | 3,511 |
|  | occasions | 6 |
|  | parameters | 41 |
|  | LL | -19,347 |
|  | AIC | 38,776 |
|  | BIC | 39,029 |

## Summary

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

Computed correlations:

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Correlation of Levels | word\_de | 0.05 |
| Correlation of Levels | word\_im | 0.07 |

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

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

P-values for corresponding covariances:

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Covariance of Levels | word\_de | 0.25 |
| Covariance of Levels | word\_im | 0.09 |

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Covariance of Slopes | word\_de | 0.63 |
| Covariance of Slopes | word\_im | 0.68 |

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Covariance of Residuals | word\_de | 0.57 |
| Covariance of Residuals | word\_im | 0.29 |

# male

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| process | label | word\_de | word\_im | mean(sd) |
| ab | Covar (Levels) | 0.04 (0.03) .16 | 0.03 (0.02) .15 | --- |
| ab | Covar (Slopes) | 0.00 (0.00) .54 | 0.00 (0.00) .52 | --- |
| ab | Covar (Residuals) | 0.02 (0.01) .27 | 0.02 (0.01) .06 | --- |
| er | Corr (Levels) | 0.06 (0.04) .16 | 0.06 (0.04) .15 | --- |
| er | Corr (Slopes) | -0.22 (0.39) .58 | -0.11 (0.18) .53 | --- |
| er | Corr (Residuals) | 0.03 (0.03) .27 | 0.05 (0.02) .06 | --- |
| a | Level | 2.63 (0.03) <.01 | 2.63 (0.03) <.01 | 2.63(0.00) |
| a | Slope | -0.02 (0.00) <.01 | -0.02 (0.00) <.01 | -0.02(0.00) |
| a | Level \* age | -0.03 (0.00) <.01 | -0.03 (0.00) <.01 | -0.03(0.00) |
| a | Level \* education | 0.20 (0.03) <.01 | 0.20 (0.03) <.01 | 0.20(0.00) |
| a | Level \* height | 0.03 (0.00) <.01 | 0.03 (0.00) <.01 | 0.03(0.00) |
| a | Level \* smoking | -0.21 (0.03) <.01 | -0.21 (0.03) <.01 | -0.21(0.00) |
| a | Level \* cardio | -0.20 (0.04) <.01 | -0.20 (0.04) <.01 | -0.20(0.00) |
| a | Level \* diabetes | -0.06 (0.05) .18 | -0.06 (0.05) .19 | -0.06(0.00) |
| a | Slope \* age | 0.00 (0.00) .49 | 0.00 (0.00) .52 | 0.00(0.00) |
| a | Slope \* education | -0.01 (0.00) .08 | -0.01 (0.00) .08 | -0.01(0.00) |
| a | Slope \* height | 0.00 (0.00) .94 | 0.00 (0.00) .91 | 0.00(0.00) |
| a | Slope \* smoking | 0.00 (0.00) .36 | 0.00 (0.00) .35 | 0.00(0.00) |
| a | Slope \* cardio | 0.00 (0.00) .56 | 0.00 (0.00) .57 | 0.00(0.00) |
| a | Slope \* diabetes | -0.02 (0.01) .01 | -0.02 (0.01) .01 | -0.02(0.00) |
| b | Level | 3.27 (0.08) <.01 | 4.87 (0.07) <.01 | --- |
| b | Slope | 0.00 (0.01) .61 | -0.03 (0.01) <.01 | --- |
| b | Level \* age | -0.07 (0.00) <.01 | -0.05 (0.00) <.01 | --- |
| b | Level \* education | 0.92 (0.07) <.01 | 0.76 (0.06) <.01 | --- |
| b | Level \* height | 0.02 (0.00) <.01 | 0.01 (0.00) <.01 | --- |
| b | Level \* smoking | 0.02 (0.07) .71 | -0.00 (0.06) .95 | --- |
| b | Level \* cardio | -0.06 (0.10) .52 | -0.16 (0.09) .07 | --- |
| b | Level \* diabetes | -0.28 (0.11) .01 | -0.10 (0.10) .32 | --- |
| b | Slope \* age | -0.00 (0.00) <.01 | -0.00 (0.00) <.01 | --- |
| b | Slope \* education | -0.01 (0.01) .18 | -0.00 (0.01) .95 | --- |
| b | Slope \* height | 0.00 (0.00) .96 | 0.00 (0.00) .10 | --- |
| b | Slope \* smoking | -0.02 (0.01) .02 | -0.02 (0.01) .04 | --- |
| b | Slope \* cardio | -0.03 (0.01) .03 | -0.01 (0.01) .66 | --- |
| b | Slope \* diabetes | -0.01 (0.02) .41 | -0.01 (0.02) .53 | --- |
| a | Var (Level) | 0.33 (0.02) <.01 | 0.33 (0.02) <.01 | 0.33(0.00) |
| a | Var (Slope) | 0.00 (0.00) .03 | 0.00 (0.00) .03 | 0.00(0.00) |
| a | Var (Residual) | 0.19 (0.02) <.01 | 0.19 (0.02) <.01 | 0.19(0.00) |
| b | Var (Level) | 1.36 (0.10) <.01 | 1.00 (0.08) <.01 | --- |
| b | Var (Slope) | 0.00 (0.00) .53 | 0.00 (0.00) .01 | --- |
| b | Var (Residual) | 1.75 (0.07) <.01 | 1.40 (0.06) <.01 | --- |
| a | Covar (Level, Slope) | -0.01 (0.00) <.01 | -0.01 (0.00) <.01 | -0.01(0.00) |
| b | Covar (Level, Slope) | -0.00 (0.01) .73 | -0.02 (0.01) .05 | --- |
|  | Correlation of Levels | 0.057 | 0.056 | 0.06(0.00) |
|  | Correlation of Slopes | 0.000 | 0.000 | 0.00(0.00) |
|  | Correlation of Residuals | 0.028 | 0.045 | 0.04(0.01) |
|  | N | 3,091 | 3,091 | 3091.00(0.00) |
|  | occasions | 6 | 6 | 6.00(0.00) |
|  | parameters | 41 | 41 | 41.00(0.00) |
|  | LL | -19,478 | -18,631 | -1.905493e+04( 599) |
|  | AIC | 39,039 | 37,345 | 3.819186e+04(1,198) |
|  | BIC | 39,286 | 37,592 | 3.843934e+04(1,198) |

## word\_de

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

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | 0.04 (0.03) .16 |
| ab | Covar (Slopes) | 0.00 (0.00) .54 |
| ab | Covar (Residuals) | 0.02 (0.01) .27 |
| er | Corr (Levels) | 0.06 (0.04) .16 |
| er | Corr (Slopes) | -0.22 (0.39) .58 |
| er | Corr (Residuals) | 0.03 (0.03) .27 |
| a | Level | 2.63 (0.03) <.01 |
| a | Slope | -0.02 (0.00) <.01 |
| a | Level \* age | -0.03 (0.00) <.01 |
| a | Level \* education | 0.20 (0.03) <.01 |
| a | Level \* height | 0.03 (0.00) <.01 |
| a | Level \* smoking | -0.21 (0.03) <.01 |
| a | Level \* cardio | -0.20 (0.04) <.01 |
| a | Level \* diabetes | -0.06 (0.05) .18 |
| a | Slope \* age | 0.00 (0.00) .49 |
| a | Slope \* education | -0.01 (0.00) .08 |
| a | Slope \* height | 0.00 (0.00) .94 |
| a | Slope \* smoking | 0.00 (0.00) .36 |
| a | Slope \* cardio | 0.00 (0.00) .56 |
| a | Slope \* diabetes | -0.02 (0.01) .01 |
| b | Level | 3.27 (0.08) <.01 |
| b | Slope | 0.00 (0.01) .61 |
| b | Level \* age | -0.07 (0.00) <.01 |
| b | Level \* education | 0.92 (0.07) <.01 |
| b | Level \* height | 0.02 (0.00) <.01 |
| b | Level \* smoking | 0.02 (0.07) .71 |
| b | Level \* cardio | -0.06 (0.10) .52 |
| b | Level \* diabetes | -0.28 (0.11) .01 |
| b | Slope \* age | -0.00 (0.00) <.01 |
| b | Slope \* education | -0.01 (0.01) .18 |
| b | Slope \* height | 0.00 (0.00) .96 |
| b | Slope \* smoking | -0.02 (0.01) .02 |
| b | Slope \* cardio | -0.03 (0.01) .03 |
| b | Slope \* diabetes | -0.01 (0.02) .41 |
| a | Var (Level) | 0.33 (0.02) <.01 |
| a | Var (Slope) | 0.00 (0.00) .03 |
| a | Var (Residual) | 0.19 (0.02) <.01 |
| b | Var (Level) | 1.36 (0.10) <.01 |
| b | Var (Slope) | 0.00 (0.00) .53 |
| b | Var (Residual) | 1.75 (0.07) <.01 |
| a | Covar (Level, Slope) | -0.01 (0.00) <.01 |
| b | Covar (Level, Slope) | -0.00 (0.01) .73 |
|  | Correlation of Levels | 0.057 |
|  | Correlation of Slopes | 0.000 |
|  | Correlation of Residuals | 0.028 |
|  | N | 3,091 |
|  | occasions | 6 |
|  | parameters | 41 |
|  | LL | -19,478 |
|  | AIC | 39,039 |
|  | BIC | 39,286 |

## word\_im

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

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | 0.03 (0.02) .15 |
| ab | Covar (Slopes) | 0.00 (0.00) .52 |
| ab | Covar (Residuals) | 0.02 (0.01) .06 |
| er | Corr (Levels) | 0.06 (0.04) .15 |
| er | Corr (Slopes) | -0.11 (0.18) .53 |
| er | Corr (Residuals) | 0.05 (0.02) .06 |
| a | Level | 2.63 (0.03) <.01 |
| a | Slope | -0.02 (0.00) <.01 |
| a | Level \* age | -0.03 (0.00) <.01 |
| a | Level \* education | 0.20 (0.03) <.01 |
| a | Level \* height | 0.03 (0.00) <.01 |
| a | Level \* smoking | -0.21 (0.03) <.01 |
| a | Level \* cardio | -0.20 (0.04) <.01 |
| a | Level \* diabetes | -0.06 (0.05) .19 |
| a | Slope \* age | 0.00 (0.00) .52 |
| a | Slope \* education | -0.01 (0.00) .08 |
| a | Slope \* height | 0.00 (0.00) .91 |
| a | Slope \* smoking | 0.00 (0.00) .35 |
| a | Slope \* cardio | 0.00 (0.00) .57 |
| a | Slope \* diabetes | -0.02 (0.01) .01 |
| b | Level | 4.87 (0.07) <.01 |
| b | Slope | -0.03 (0.01) <.01 |
| b | Level \* age | -0.05 (0.00) <.01 |
| b | Level \* education | 0.76 (0.06) <.01 |
| b | Level \* height | 0.01 (0.00) <.01 |
| b | Level \* smoking | -0.00 (0.06) .95 |
| b | Level \* cardio | -0.16 (0.09) .07 |
| b | Level \* diabetes | -0.10 (0.10) .32 |
| b | Slope \* age | -0.00 (0.00) <.01 |
| b | Slope \* education | -0.00 (0.01) .95 |
| b | Slope \* height | 0.00 (0.00) .10 |
| b | Slope \* smoking | -0.02 (0.01) .04 |
| b | Slope \* cardio | -0.01 (0.01) .66 |
| b | Slope \* diabetes | -0.01 (0.02) .53 |
| a | Var (Level) | 0.33 (0.02) <.01 |
| a | Var (Slope) | 0.00 (0.00) .03 |
| a | Var (Residual) | 0.19 (0.02) <.01 |
| b | Var (Level) | 1.00 (0.08) <.01 |
| b | Var (Slope) | 0.00 (0.00) .01 |
| b | Var (Residual) | 1.40 (0.06) <.01 |
| a | Covar (Level, Slope) | -0.01 (0.00) <.01 |
| b | Covar (Level, Slope) | -0.02 (0.01) .05 |
|  | Correlation of Levels | 0.056 |
|  | Correlation of Slopes | 0.000 |
|  | Correlation of Residuals | 0.045 |
|  | N | 3,091 |
|  | occasions | 6 |
|  | parameters | 41 |
|  | LL | -18,631 |
|  | AIC | 37,345 |
|  | BIC | 37,592 |

## Summary

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

Computed correlations:

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

|  |  |  |
| --- | --- | --- |
| 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 | 0.03 |
| Correlation of Residuals | word\_im | 0.05 |

P-values for corresponding covariances:

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Covariance of Levels | word\_de | 0.16 |
| Covariance of Levels | word\_im | 0.15 |

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Covariance of Slopes | word\_de | 0.54 |
| Covariance of Slopes | word\_im | 0.52 |

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Covariance of Residuals | word\_de | 0.27 |
| Covariance of Residuals | word\_im | 0.06 |

#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 R6\_2.2.0 gsubfn\_0.6-6 rmarkdown\_1.1   
[25] pander\_0.6.0 tidyr\_0.6.0 readr\_1.0.0 scales\_0.4.1 htmltools\_0.3.5 rsconnect\_0.5   
[31] assertthat\_0.1 testit\_0.5 xtable\_1.8-2 colorspace\_1.2-7 stringi\_1.1.2 lazyeval\_0.2.0   
[37] munsell\_0.4.3