ELSA : Seed report

Date: 2016-10-20

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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 |
| fev100 | word\_de | 2 |
| fev100 | word\_im | 2 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| study\_name | subgroup | model\_type | process\_a | process\_b | n\_models |
| elsa | female | aehplus | fev100 | word\_de | 1 |
| elsa | female | aehplus | fev100 | word\_im | 1 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| study\_name | subgroup | model\_type | process\_a | process\_b | n\_models |
| elsa | male | aehplus | fev100 | word\_de | 1 |
| elsa | male | aehplus | fev100 | word\_im | 1 |

# female

Gender = *female*; Model type: *aehplus*; Process (a) = *fev100*; Process (b): *word\_de*, *word\_im*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| process | label | word\_de | word\_im | mean(sd) |
| a | Level | 188.51 (1.68) <.01 | 188.49 (1.68) <.01 | 188.50(0.01) |
| a | Slope | -2.12 (0.19) <.01 | -2.13 (0.19) <.01 | -2.13(0.00) |
| a | Level \* age | -2.61 (0.10) <.01 | -2.61 (0.10) <.01 | -2.61(0.00) |
| a | Level \* education | 10.18 (1.79) <.01 | 10.17 (1.79) <.01 | 10.17(0.00) |
| a | Level \* height | 2.76 (0.15) <.01 | 2.76 (0.15) <.01 | 2.76(0.00) |
| a | Level \* smoking | -10.89 (1.70) <.01 | -10.89 (1.70) <.01 | -10.89(0.00) |
| a | Level \* cardio | -11.16 (3.09) <.01 | -11.19 (3.09) <.01 | -11.18(0.02) |
| a | Level \* diabetes | -5.06 (3.83) .19 | -5.22 (3.83) .17 | -5.14(0.11) |
| a | Slope \* age | -0.01 (0.01) .42 | -0.01 (0.01) .41 | -0.01(0.00) |
| a | Slope \* education | 0.08 (0.21) .68 | 0.10 (0.21) .62 | 0.09(0.01) |
| a | Slope \* height | -0.04 (0.02) .03 | -0.04 (0.02) .02 | -0.04(0.00) |
| a | Slope \* smoking | -0.14 (0.20) .47 | -0.15 (0.20) .44 | -0.15(0.01) |
| a | Slope \* cardio | 0.32 (0.46) .49 | 0.31 (0.46) .50 | 0.31(0.01) |
| a | Slope \* diabetes | -0.35 (0.56) .54 | -0.35 (0.56) .53 | -0.35(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) | 1381.08 (90.17) <.01 | 1380.40 (92.33) <.01 | 1380.74(0.48) |
| a | Var (Slope) | 1.25 (1.24) .31 | 1.23 (1.34) .36 | 1.24(0.02) |
| a | Var (Residual) | 1014.18 (84.65) <.01 | 1014.46 (86.25) <.01 | 1014.32(0.20) |
| a | Covar (Level, Slope) | -5.75 (8.91) .52 | -5.38 (9.33) .56 | -5.57(0.26) |
| b | Var (Level) | 1.47 (0.08) <.01 | 0.97 (0.09) <.01 | --- |
| b | Var (Slope) | 0.00 (0.00) .43 | 0.00 (0.00) .07 | --- |
| b | Var (Residual) | 1.91 (0.06) <.01 | 1.60 (0.06) <.01 | --- |
| b | Covar (Level, Slope) | 0.01 (0.01) .20 | -0.01 (0.01) .34 | --- |
| ab | Covar (Levels) | 2.12 (1.77) .23 | 2.63 (1.49) .08 | --- |
| ab | Covar (Slopes) | -0.01 (0.03) .58 | -0.01 (0.02) .63 | --- |
| ab | Covar (Residuals) | 0.67 (1.07) .53 | 1.00 (0.86) .24 | --- |
|  | Correlation of Levels | 0.047 | 0.072 | 0.06(0.02) |
|  | Correlation of Slopes | -0.423 | -0.165 | -0.29(0.18) |
|  | Correlation of Residuals | 0.015 | 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 | -53,174 | -52,196 | -5.268498e+04( 692) |
|  | AIC | 106,430 | 104,474 | 1.054520e+05(1,383) |
|  | BIC | 106,683 | 104,726 | 1.057047e+05(1,383) |

## word\_de

Gender = *female*; Process (a) = *fev100*; Process (b) = *word\_de*

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| a | Level | 188.51 (1.68) <.01 |
| a | Slope | -2.12 (0.19) <.01 |
| a | Level \* age | -2.61 (0.10) <.01 |
| a | Level \* education | 10.18 (1.79) <.01 |
| a | Level \* height | 2.76 (0.15) <.01 |
| a | Level \* smoking | -10.89 (1.70) <.01 |
| a | Level \* cardio | -11.16 (3.09) <.01 |
| a | Level \* diabetes | -5.06 (3.83) .19 |
| a | Slope \* age | -0.01 (0.01) .42 |
| a | Slope \* education | 0.08 (0.21) .68 |
| a | Slope \* height | -0.04 (0.02) .03 |
| a | Slope \* smoking | -0.14 (0.20) .47 |
| a | Slope \* cardio | 0.32 (0.46) .49 |
| a | Slope \* diabetes | -0.35 (0.56) .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) | 1381.08 (90.17) <.01 |
| a | Var (Slope) | 1.25 (1.24) .31 |
| a | Var (Residual) | 1014.18 (84.65) <.01 |
| a | Covar (Level, Slope) | -5.75 (8.91) .52 |
| b | Var (Level) | 1.47 (0.08) <.01 |
| b | Var (Slope) | 0.00 (0.00) .43 |
| b | Var (Residual) | 1.91 (0.06) <.01 |
| b | Covar (Level, Slope) | 0.01 (0.01) .20 |
| ab | Covar (Levels) | 2.12 (1.77) .23 |
| ab | Covar (Slopes) | -0.01 (0.03) .58 |
| ab | Covar (Residuals) | 0.67 (1.07) .53 |
|  | Correlation of Levels | 0.047 |
|  | Correlation of Slopes | -0.423 |
|  | Correlation of Residuals | 0.015 |
|  | N | 3,511 |
|  | occasions | 6 |
|  | parameters | 41 |
|  | LL | -53,174 |
|  | AIC | 106,430 |
|  | BIC | 106,683 |

## word\_im

Gender = *female*; Process (a) = *fev100*; Process (b) = *word\_im*

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| a | Level | 188.49 (1.68) <.01 |
| a | Slope | -2.13 (0.19) <.01 |
| a | Level \* age | -2.61 (0.10) <.01 |
| a | Level \* education | 10.17 (1.79) <.01 |
| a | Level \* height | 2.76 (0.15) <.01 |
| a | Level \* smoking | -10.89 (1.70) <.01 |
| a | Level \* cardio | -11.19 (3.09) <.01 |
| a | Level \* diabetes | -5.22 (3.83) .17 |
| a | Slope \* age | -0.01 (0.01) .41 |
| a | Slope \* education | 0.10 (0.21) .62 |
| a | Slope \* height | -0.04 (0.02) .02 |
| a | Slope \* smoking | -0.15 (0.20) .44 |
| a | Slope \* cardio | 0.31 (0.46) .50 |
| a | Slope \* diabetes | -0.35 (0.56) .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) | 1380.40 (92.33) <.01 |
| a | Var (Slope) | 1.23 (1.34) .36 |
| a | Var (Residual) | 1014.46 (86.25) <.01 |
| a | Covar (Level, Slope) | -5.38 (9.33) .56 |
| b | Var (Level) | 0.97 (0.09) <.01 |
| b | Var (Slope) | 0.00 (0.00) .07 |
| b | Var (Residual) | 1.60 (0.06) <.01 |
| b | Covar (Level, Slope) | -0.01 (0.01) .34 |
| ab | Covar (Levels) | 2.63 (1.49) .08 |
| ab | Covar (Slopes) | -0.01 (0.02) .63 |
| ab | Covar (Residuals) | 1.00 (0.86) .24 |
|  | Correlation of Levels | 0.072 |
|  | Correlation of Slopes | -0.165 |
|  | Correlation of Residuals | 0.025 |
|  | N | 3,511 |
|  | occasions | 6 |
|  | parameters | 41 |
|  | LL | -52,196 |
|  | AIC | 104,474 |
|  | BIC | 104,726 |

## Summary

Study = *ELSA*; Gender = *female*; Process (a) = *fev100*

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 | -0.42 |
| Correlation of Slopes | word\_im | -0.16 |

|  |  |  |
| --- | --- | --- |
| 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 | 0.23 |
| Covariance of Levels | word\_im | 0.08 |

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Covariance of Slopes | word\_de | 0.58 |
| Covariance of Slopes | word\_im | 0.63 |

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Covariance of Residuals | word\_de | 0.53 |
| Covariance of Residuals | word\_im | 0.24 |

# male

Gender = *male*; Model type: *aehplus*; Process (a) = *fev100*; Process (b): *word\_de*, *word\_im*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| process | label | word\_de | word\_im | mean(sd) |
| a | Level | 262.63 (3.21) <.01 | 262.61 (3.21) <.01 | 262.62(0.02) |
| a | Slope | -2.22 (0.44) <.01 | -2.20 (0.44) <.01 | -2.21(0.01) |
| a | Level \* age | -3.40 (0.15) <.01 | -3.41 (0.15) <.01 | -3.41(0.00) |
| a | Level \* education | 20.35 (2.89) <.01 | 20.31 (2.89) <.01 | 20.33(0.03) |
| a | Level \* height | 3.34 (0.21) <.01 | 3.34 (0.21) <.01 | 3.34(0.00) |
| a | Level \* smoking | -21.05 (2.83) <.01 | -21.05 (2.83) <.01 | -21.05(0.00) |
| a | Level \* cardio | -19.53 (3.86) <.01 | -19.49 (3.86) <.01 | -19.51(0.03) |
| a | Level \* diabetes | -6.23 (4.67) .18 | -6.17 (4.67) .19 | -6.20(0.04) |
| a | Slope \* age | -0.01 (0.02) .49 | -0.01 (0.02) .52 | -0.01(0.00) |
| a | Slope \* education | -0.64 (0.36) .08 | -0.63 (0.36) .08 | -0.64(0.00) |
| a | Slope \* height | -0.00 (0.02) .94 | -0.00 (0.02) .91 | -0.00(0.00) |
| a | Slope \* smoking | 0.31 (0.34) .36 | 0.32 (0.34) .35 | 0.32(0.00) |
| a | Slope \* cardio | 0.29 (0.49) .56 | 0.28 (0.49) .57 | 0.28(0.01) |
| a | Slope \* diabetes | -1.60 (0.63) .01 | -1.59 (0.63) .01 | -1.60(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) | 3294.78 (226.22) <.01 | 3294.67 (226.27) <.01 | 3294.72(0.07) |
| a | Var (Slope) | 9.60 (4.15) .02 | 9.64 (4.16) .02 | 9.62(0.03) |
| a | Var (Residual) | 1864.06 (173.74) <.01 | 1863.74 (173.76) <.01 | 1863.90(0.23) |
| a | Covar (Level, Slope) | -78.34 (25.70) <.01 | -78.51 (25.79) <.01 | -78.43(0.12) |
| b | Var (Level) | 1.36 (0.09) <.01 | 1.00 (0.08) <.01 | --- |
| b | Var (Slope) | 0.00 (0.00) .49 | 0.00 (0.00) .01 | --- |
| b | Var (Residual) | 1.75 (0.06) <.01 | 1.40 (0.06) <.01 | --- |
| b | Covar (Level, Slope) | -0.00 (0.01) .71 | -0.02 (0.01) .05 | --- |
| ab | Covar (Levels) | 3.78 (2.64) .15 | 3.22 (2.20) .14 | --- |
| ab | Covar (Slopes) | -0.02 (0.03) .48 | -0.02 (0.03) .51 | --- |
| ab | Covar (Residuals) | 1.62 (1.39) .24 | 2.34 (1.21) .05 | --- |
|  | Correlation of Levels | 0.056 | 0.056 | 0.06(0.00) |
|  | Correlation of Slopes | -0.235 | -0.112 | -0.17(0.09) |
|  | Correlation of Residuals | 0.028 | 0.046 | 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 | -48,542 | -47,695 | -4.811816e+04( 599) |
|  | AIC | 97,165 | 95,471 | 9.631832e+04(1,198) |
|  | BIC | 97,413 | 95,719 | 9.656581e+04(1,198) |

## word\_de

Gender = *male*; Process (a) = *fev100*; Process (b) = *word\_de*

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| a | Level | 262.63 (3.21) <.01 |
| a | Slope | -2.22 (0.44) <.01 |
| a | Level \* age | -3.40 (0.15) <.01 |
| a | Level \* education | 20.35 (2.89) <.01 |
| a | Level \* height | 3.34 (0.21) <.01 |
| a | Level \* smoking | -21.05 (2.83) <.01 |
| a | Level \* cardio | -19.53 (3.86) <.01 |
| a | Level \* diabetes | -6.23 (4.67) .18 |
| a | Slope \* age | -0.01 (0.02) .49 |
| a | Slope \* education | -0.64 (0.36) .08 |
| a | Slope \* height | -0.00 (0.02) .94 |
| a | Slope \* smoking | 0.31 (0.34) .36 |
| a | Slope \* cardio | 0.29 (0.49) .56 |
| a | Slope \* diabetes | -1.60 (0.63) .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) | 3294.78 (226.22) <.01 |
| a | Var (Slope) | 9.60 (4.15) .02 |
| a | Var (Residual) | 1864.06 (173.74) <.01 |
| a | Covar (Level, Slope) | -78.34 (25.70) <.01 |
| b | Var (Level) | 1.36 (0.09) <.01 |
| b | Var (Slope) | 0.00 (0.00) .49 |
| b | Var (Residual) | 1.75 (0.06) <.01 |
| b | Covar (Level, Slope) | -0.00 (0.01) .71 |
| ab | Covar (Levels) | 3.78 (2.64) .15 |
| ab | Covar (Slopes) | -0.02 (0.03) .48 |
| ab | Covar (Residuals) | 1.62 (1.39) .24 |
|  | Correlation of Levels | 0.056 |
|  | Correlation of Slopes | -0.235 |
|  | Correlation of Residuals | 0.028 |
|  | N | 3,091 |
|  | occasions | 6 |
|  | parameters | 41 |
|  | LL | -48,542 |
|  | AIC | 97,165 |
|  | BIC | 97,413 |

## word\_im

Gender = *male*; Process (a) = *fev100*; Process (b) = *word\_im*

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| a | Level | 262.61 (3.21) <.01 |
| a | Slope | -2.20 (0.44) <.01 |
| a | Level \* age | -3.41 (0.15) <.01 |
| a | Level \* education | 20.31 (2.89) <.01 |
| a | Level \* height | 3.34 (0.21) <.01 |
| a | Level \* smoking | -21.05 (2.83) <.01 |
| a | Level \* cardio | -19.49 (3.86) <.01 |
| a | Level \* diabetes | -6.17 (4.67) .19 |
| a | Slope \* age | -0.01 (0.02) .52 |
| a | Slope \* education | -0.63 (0.36) .08 |
| a | Slope \* height | -0.00 (0.02) .91 |
| a | Slope \* smoking | 0.32 (0.34) .35 |
| a | Slope \* cardio | 0.28 (0.49) .57 |
| a | Slope \* diabetes | -1.59 (0.63) .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) | 3294.67 (226.27) <.01 |
| a | Var (Slope) | 9.64 (4.16) .02 |
| a | Var (Residual) | 1863.74 (173.76) <.01 |
| a | Covar (Level, Slope) | -78.51 (25.79) <.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 |
| b | Covar (Level, Slope) | -0.02 (0.01) .05 |
| ab | Covar (Levels) | 3.22 (2.20) .14 |
| ab | Covar (Slopes) | -0.02 (0.03) .51 |
| ab | Covar (Residuals) | 2.34 (1.21) .05 |
|  | Correlation of Levels | 0.056 |
|  | Correlation of Slopes | -0.112 |
|  | Correlation of Residuals | 0.046 |
|  | N | 3,091 |
|  | occasions | 6 |
|  | parameters | 41 |
|  | LL | -47,695 |
|  | AIC | 95,471 |
|  | BIC | 95,719 |

## Summary

Study = *ELSA*; Gender = *male*; Process (a) = *fev100*

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 | -0.23 |
| Correlation of Slopes | word\_im | -0.11 |

|  |  |  |
| --- | --- | --- |
| 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 | 0.15 |
| Covariance of Levels | word\_im | 0.14 |

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Covariance of Slopes | word\_de | 0.48 |
| Covariance of Slopes | word\_im | 0.51 |

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Covariance of Residuals | word\_de | 0.24 |
| Covariance of Residuals | word\_im | 0.05 |

#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\_2.1.0 magrittr\_1.5   
  
loaded via a namespace (and not attached):  
 [1] Rcpp\_0.12.7 munsell\_0.4.3 testit\_0.5 colorspace\_1.2-7 R6\_2.2.0 stringr\_1.1.0   
 [7] highr\_0.6 plyr\_1.8.4 dplyr\_0.5.0 tools\_3.3.1 DT\_0.2 grid\_3.3.1   
[13] gtable\_0.2.0 DBI\_0.5-1 htmltools\_0.3.5 yaml\_2.1.13 lazyeval\_0.2.0 assertthat\_0.1   
[19] digest\_0.6.10 tibble\_1.2 formatR\_1.4 readr\_1.0.0 tidyr\_0.6.0 htmlwidgets\_0.7   
[25] rsconnect\_0.5 evaluate\_0.10 rmarkdown\_1.1 stringi\_1.1.2 scales\_0.4.0