ELSA : Tabulation report

Date: 2017-07-18

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

# grip : 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 | fev100 | 2 |

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

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

# female

Gender = *female*; Model type: *aehplus*; Process (a) = *grip*; Process (b): *fev100*

|  |  |  |  |
| --- | --- | --- | --- |
| process | label | fev100 | mean(sd) |
| ab | Covar (Levels) | 36.41 (5.04) <.01 | --- |
| ab | Covar (Slopes) | 0.08 (0.07) .24 | --- |
|  | Covar (Residuals) | --- | --- |
| er | Corr (Levels) | 0.23 (0.03) <.01 | --- |
| er | Corr (Slopes) | 0.55 (0.84) .51 | --- |
| er | Corr (Residuals) | 0.02 (0.02) .54 | --- |
| a | Level | 20.32 (0.18) <.01 | 20.32(NA) |
| a | Slope | -0.29 (0.02) <.01 | -0.29(NA) |
| a | Level \* age | -0.24 (0.01) <.01 | -0.24(NA) |
| a | Level \* education | 0.95 (0.20) <.01 | 0.95(NA) |
| a | Level \* height | 0.21 (0.01) <.01 | 0.21(NA) |
| a | Level \* smoking | -0.16 (0.18) .37 | -0.16(NA) |
| a | Level \* cardio | -1.37 (0.36) <.01 | -1.37(NA) |
| a | Level \* diabetes | -1.28 (0.42) <.01 | -1.28(NA) |
| a | Slope \* age | -0.01 (0.00) <.01 | -0.01(NA) |
| a | Slope \* education | -0.02 (0.02) .40 | -0.02(NA) |
| a | Slope \* height | -0.00 (0.00) .10 | -0.00(NA) |
| a | Slope \* smoking | -0.00 (0.02) .88 | -0.00(NA) |
| a | Slope \* cardio | 0.02 (0.04) .62 | 0.02(NA) |
| a | Slope \* diabetes | 0.03 (0.04) .57 | 0.03(NA) |
| b | Level | 189.19 (1.71) <.01 | --- |
| b | Slope | -2.02 (0.20) <.01 | --- |
| b | Level \* age | -2.60 (0.10) <.01 | --- |
| b | Level \* education | 10.11 (1.83) <.01 | --- |
| b | Level \* height | 2.76 (0.15) <.01 | --- |
| b | Level \* smoking | -11.66 (1.73) <.01 | --- |
| b | Level \* cardio | -11.90 (3.19) <.01 | --- |
| b | Level \* diabetes | -4.24 (3.85) .27 | --- |
| b | Slope \* age | -0.01 (0.01) .28 | --- |
| b | Slope \* education | -0.03 (0.21) .90 | --- |
| b | Slope \* height | -0.05 (0.02) .01 | --- |
| b | Slope \* smoking | -0.12 (0.20) .55 | --- |
| b | Slope \* cardio | 0.05 (0.48) .92 | --- |
| b | Slope \* diabetes | -0.13 (0.55) .81 | --- |
| a | Var (Level) | 17.93 (0.88) <.01 | 17.93(NA) |
| a | Var (Slope) | 0.02 (0.01) .03 | 0.02(NA) |
|  | Var (Residual) | --- | --- |
| b | Var (Level) | 1369.93 (111.47) <.01 | --- |
| b | Var (Slope) | 0.87 (2.18) .69 | --- |
|  | Var (Residual) | --- | --- |
| a | Covar (Level, Slope) | -0.12 (0.07) .10 | -0.12(NA) |
| b | Covar (Level, Slope) | -7.58 (13.09) .56 | --- |
|  | Correlation of Levels | 0.23 | 0.23(NA) |
|  | Correlation of Slopes | 0.55 | 0.55(NA) |
|  | Correlation of Residuals | NA | --- |
|  | N | 3,145 | 3145.00(NA) |
|  | occasions | 6 | 6.00(NA) |
|  | parameters | 41 | 41.00(NA) |
|  | LL | -55,360 | -5.535961e+04(NA) |
|  | AIC | 110,801 | 1.108012e+05(NA) |
|  | BIC | 111,049 | 1.110494e+05(NA) |

## fev100

Gender = *female*; Process (a) = *grip*; Process (b) = *fev100*

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | 36.41 (5.04) <.01 |
| ab | Covar (Slopes) | 0.08 (0.07) .24 |
|  | Covar (Residuals) | --- |
| er | Corr (Levels) | 0.23 (0.03) <.01 |
| er | Corr (Slopes) | 0.55 (0.84) .51 |
| er | Corr (Residuals) | 0.02 (0.02) .54 |
| a | Level | 20.32 (0.18) <.01 |
| a | Slope | -0.29 (0.02) <.01 |
| a | Level \* age | -0.24 (0.01) <.01 |
| a | Level \* education | 0.95 (0.20) <.01 |
| a | Level \* height | 0.21 (0.01) <.01 |
| a | Level \* smoking | -0.16 (0.18) .37 |
| a | Level \* cardio | -1.37 (0.36) <.01 |
| a | Level \* diabetes | -1.28 (0.42) <.01 |
| a | Slope \* age | -0.01 (0.00) <.01 |
| a | Slope \* education | -0.02 (0.02) .40 |
| a | Slope \* height | -0.00 (0.00) .10 |
| a | Slope \* smoking | -0.00 (0.02) .88 |
| a | Slope \* cardio | 0.02 (0.04) .62 |
| a | Slope \* diabetes | 0.03 (0.04) .57 |
| b | Level | 189.19 (1.71) <.01 |
| b | Slope | -2.02 (0.20) <.01 |
| b | Level \* age | -2.60 (0.10) <.01 |
| b | Level \* education | 10.11 (1.83) <.01 |
| b | Level \* height | 2.76 (0.15) <.01 |
| b | Level \* smoking | -11.66 (1.73) <.01 |
| b | Level \* cardio | -11.90 (3.19) <.01 |
| b | Level \* diabetes | -4.24 (3.85) .27 |
| b | Slope \* age | -0.01 (0.01) .28 |
| b | Slope \* education | -0.03 (0.21) .90 |
| b | Slope \* height | -0.05 (0.02) .01 |
| b | Slope \* smoking | -0.12 (0.20) .55 |
| b | Slope \* cardio | 0.05 (0.48) .92 |
| b | Slope \* diabetes | -0.13 (0.55) .81 |
| a | Var (Level) | 17.93 (0.88) <.01 |
| a | Var (Slope) | 0.02 (0.01) .03 |
|  | Var (Residual) | --- |
| b | Var (Level) | 1369.93 (111.47) <.01 |
| b | Var (Slope) | 0.87 (2.18) .69 |
|  | Var (Residual) | --- |
| a | Covar (Level, Slope) | -0.12 (0.07) .10 |
| b | Covar (Level, Slope) | -7.58 (13.09) .56 |
|  | Correlation of Levels | 0.23 |
|  | Correlation of Slopes | 0.55 |
|  | Correlation of Residuals | NA |
|  | N | 3,145 |
|  | occasions | 6 |
|  | parameters | 41 |
|  | LL | -55,360 |
|  | AIC | 110,801 |
|  | BIC | 111,049 |

# male

Gender = *male*; Model type: *aehplus*; Process (a) = *grip*; Process (b): *fev100*

|  |  |  |  |
| --- | --- | --- | --- |
| process | label | fev100 | mean(sd) |
| ab | Covar (Levels) | 62.13 (10.87) <.01 | --- |
| ab | Covar (Slopes) | 0.19 (0.13) .14 | --- |
|  | Covar (Residuals) | --- | --- |
| er | Corr (Levels) | 0.18 (0.03) <.01 | --- |
| er | Corr (Slopes) | 0.30 (0.22) .17 | --- |
| er | Corr (Residuals) | 0.02 (0.03) .46 | --- |
| a | Level | 34.42 (0.34) <.01 | 34.42(NA) |
| a | Slope | -0.45 (0.04) <.01 | -0.45(NA) |
| a | Level \* age | -0.45 (0.01) <.01 | -0.45(NA) |
| a | Level \* education | 1.17 (0.31) <.01 | 1.17(NA) |
| a | Level \* height | 0.29 (0.02) <.01 | 0.29(NA) |
| a | Level \* smoking | -0.29 (0.30) .34 | -0.29(NA) |
| a | Level \* cardio | -0.39 (0.40) .32 | -0.39(NA) |
| a | Level \* diabetes | -2.20 (0.53) <.01 | -2.20(NA) |
| a | Slope \* age | -0.01 (0.00) <.01 | -0.01(NA) |
| a | Slope \* education | -0.03 (0.03) .42 | -0.03(NA) |
| a | Slope \* height | 0.00 (0.00) .56 | 0.00(NA) |
| a | Slope \* smoking | -0.01 (0.03) .74 | -0.01(NA) |
| a | Slope \* cardio | -0.12 (0.05) .01 | -0.12(NA) |
| a | Slope \* diabetes | -0.15 (0.05) <.01 | -0.15(NA) |
| b | Level | 263.74 (3.23) <.01 | --- |
| b | Slope | -2.20 (0.45) <.01 | --- |
| b | Level \* age | -3.41 (0.15) <.01 | --- |
| b | Level \* education | 19.89 (2.92) <.01 | --- |
| b | Level \* height | 3.39 (0.21) <.01 | --- |
| b | Level \* smoking | -21.60 (2.85) <.01 | --- |
| b | Level \* cardio | -20.27 (3.94) <.01 | --- |
| b | Level \* diabetes | -5.95 (4.74) .21 | --- |
| b | Slope \* age | -0.01 (0.02) .45 | --- |
| b | Slope \* education | -0.62 (0.37) .09 | --- |
| b | Slope \* height | -0.00 (0.02) .91 | --- |
| b | Slope \* smoking | 0.29 (0.34) .39 | --- |
| b | Slope \* cardio | 0.34 (0.50) .50 | --- |
| b | Slope \* diabetes | -1.47 (0.63) .02 | --- |
| a | Var (Level) | 36.62 (1.95) <.01 | 36.62(NA) |
| a | Var (Slope) | 0.04 (0.02) .10 | 0.04(NA) |
|  | Var (Residual) | --- | --- |
| b | Var (Level) | 3252.85 (228.56) <.01 | --- |
| b | Var (Slope) | 9.55 (4.21) .02 | --- |
|  | Var (Residual) | --- | --- |
| a | Covar (Level, Slope) | -0.37 (0.18) .04 | -0.37(NA) |
| b | Covar (Level, Slope) | -78.19 (26.15) <.01 | --- |
|  | Correlation of Levels | 0.18 | 0.18(NA) |
|  | Correlation of Slopes | 0.30 | 0.30(NA) |
|  | Correlation of Residuals | NA | --- |
|  | N | 2,872 | 2872.00(NA) |
|  | occasions | 6 | 6.00(NA) |
|  | parameters | 41 | 41.00(NA) |
|  | LL | -54,499 | -5.449941e+04(NA) |
|  | AIC | 109,081 | 1.090808e+05(NA) |
|  | BIC | 109,325 | 1.093253e+05(NA) |

## fev100

Gender = *male*; Process (a) = *grip*; Process (b) = *fev100*

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | 62.13 (10.87) <.01 |
| ab | Covar (Slopes) | 0.19 (0.13) .14 |
|  | Covar (Residuals) | --- |
| er | Corr (Levels) | 0.18 (0.03) <.01 |
| er | Corr (Slopes) | 0.30 (0.22) .17 |
| er | Corr (Residuals) | 0.02 (0.03) .46 |
| a | Level | 34.42 (0.34) <.01 |
| a | Slope | -0.45 (0.04) <.01 |
| a | Level \* age | -0.45 (0.01) <.01 |
| a | Level \* education | 1.17 (0.31) <.01 |
| a | Level \* height | 0.29 (0.02) <.01 |
| a | Level \* smoking | -0.29 (0.30) .34 |
| a | Level \* cardio | -0.39 (0.40) .32 |
| a | Level \* diabetes | -2.20 (0.53) <.01 |
| a | Slope \* age | -0.01 (0.00) <.01 |
| a | Slope \* education | -0.03 (0.03) .42 |
| a | Slope \* height | 0.00 (0.00) .56 |
| a | Slope \* smoking | -0.01 (0.03) .74 |
| a | Slope \* cardio | -0.12 (0.05) .01 |
| a | Slope \* diabetes | -0.15 (0.05) <.01 |
| b | Level | 263.74 (3.23) <.01 |
| b | Slope | -2.20 (0.45) <.01 |
| b | Level \* age | -3.41 (0.15) <.01 |
| b | Level \* education | 19.89 (2.92) <.01 |
| b | Level \* height | 3.39 (0.21) <.01 |
| b | Level \* smoking | -21.60 (2.85) <.01 |
| b | Level \* cardio | -20.27 (3.94) <.01 |
| b | Level \* diabetes | -5.95 (4.74) .21 |
| b | Slope \* age | -0.01 (0.02) .45 |
| b | Slope \* education | -0.62 (0.37) .09 |
| b | Slope \* height | -0.00 (0.02) .91 |
| b | Slope \* smoking | 0.29 (0.34) .39 |
| b | Slope \* cardio | 0.34 (0.50) .50 |
| b | Slope \* diabetes | -1.47 (0.63) .02 |
| a | Var (Level) | 36.62 (1.95) <.01 |
| a | Var (Slope) | 0.04 (0.02) .10 |
|  | Var (Residual) | --- |
| b | Var (Level) | 3252.85 (228.56) <.01 |
| b | Var (Slope) | 9.55 (4.21) .02 |
|  | Var (Residual) | --- |
| a | Covar (Level, Slope) | -0.37 (0.18) .04 |
| b | Covar (Level, Slope) | -78.19 (26.15) <.01 |
|  | Correlation of Levels | 0.18 |
|  | Correlation of Slopes | 0.30 |
|  | Correlation of Residuals | NA |
|  | N | 2,872 |
|  | occasions | 6 |
|  | parameters | 41 |
|  | LL | -54,499 |
|  | AIC | 109,081 |
|  | BIC | 109,325 |

# fev100 : 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 | gait | 2 |

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

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

# female

Gender = *female*; Model type: *aehplus*; Process (a) = *fev100*; Process (b): *gait*

|  |  |  |  |
| --- | --- | --- | --- |
| process | label | gait | mean(sd) |
| ab | Covar (Levels) | 1.79 (0.26) <.01 | --- |
| ab | Covar (Slopes) | 0.01 (0.00) .04 | --- |
|  | Covar (Residuals) | --- | --- |
| er | Corr (Levels) | 0.26 (0.03) <.01 | --- |
| er | Corr (Slopes) | 0.57 (0.10) <.01 | --- |
| er | Corr (Residuals) | -0.03 (0.03) .40 | --- |
| a | Level | 188.67 (1.99) <.01 | 188.67(NA) |
| a | Slope | -1.87 (0.21) <.01 | -1.87(NA) |
| a | Level \* age | -2.60 (0.14) <.01 | -2.60(NA) |
| a | Level \* education | 9.42 (2.13) <.01 | 9.42(NA) |
| a | Level \* height | 2.69 (0.18) <.01 | 2.69(NA) |
| a | Level \* smoking | -10.33 (2.10) <.01 | -10.33(NA) |
| a | Level \* cardio | -9.47 (3.30) <.01 | -9.47(NA) |
| a | Level \* diabetes | -5.61 (4.40) .20 | -5.61(NA) |
| a | Slope \* age | -0.01 (0.02) .66 | -0.01(NA) |
| a | Slope \* education | 0.01 (0.24) .95 | 0.01(NA) |
| a | Slope \* height | -0.05 (0.02) .02 | -0.05(NA) |
| a | Slope \* smoking | -0.39 (0.24) .11 | -0.39(NA) |
| a | Slope \* cardio | -0.26 (0.49) .60 | -0.26(NA) |
| a | Slope \* diabetes | -0.32 (0.59) .59 | -0.32(NA) |
| b | Level | 0.84 (0.01) <.01 | --- |
| b | Slope | -0.01 (0.00) <.01 | --- |
| b | Level \* age | -0.01 (0.00) <.01 | --- |
| b | Level \* education | 0.10 (0.01) <.01 | --- |
| b | Level \* height | 0.00 (0.00) <.01 | --- |
| b | Level \* smoking | -0.03 (0.01) <.01 | --- |
| b | Level \* cardio | -0.07 (0.02) <.01 | --- |
| b | Level \* diabetes | -0.12 (0.02) <.01 | --- |
| b | Slope \* age | -0.00 (0.00) <.01 | --- |
| b | Slope \* education | -0.00 (0.00) .40 | --- |
| b | Slope \* height | 0.00 (0.00) .01 | --- |
| b | Slope \* smoking | 0.00 (0.00) .53 | --- |
| b | Slope \* cardio | -0.00 (0.00) .44 | --- |
| b | Slope \* diabetes | 0.00 (0.00) .89 | --- |
| a | Var (Level) | 1419.31 (96.29) <.01 | 1419.31(NA) |
| a | Var (Slope) | 2.85 (1.37) .04 | 2.85(NA) |
|  | Var (Residual) | --- | --- |
| b | Var (Level) | 0.03 (0.00) <.01 | --- |
| b | Var (Slope) | 0.00 (0.00) <.01 | --- |
|  | Var (Residual) | --- | --- |
| a | Covar (Level, Slope) | -22.39 (9.03) .01 | -22.39(NA) |
| b | Covar (Level, Slope) | 0.00 (0.00) <.01 | --- |
|  | Correlation of Levels | 0.26 | 0.26(NA) |
|  | Correlation of Slopes | Inf | Inf(NA) |
|  | Correlation of Residuals | NA | --- |
|  | N | 2,018 | 2018.00(NA) |
|  | occasions | 6 | 6.00(NA) |
|  | parameters | 41 | 41.00(NA) |
|  | LL | -20,628 | -2.062789e+04(NA) |
|  | AIC | 41,338 | 4.133777e+04(NA) |
|  | BIC | 41,568 | 4.156778e+04(NA) |

## gait

Gender = *female*; Process (a) = *fev100*; Process (b) = *gait*

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | 1.79 (0.26) <.01 |
| ab | Covar (Slopes) | 0.01 (0.00) .04 |
|  | Covar (Residuals) | --- |
| er | Corr (Levels) | 0.26 (0.03) <.01 |
| er | Corr (Slopes) | 0.57 (0.10) <.01 |
| er | Corr (Residuals) | -0.03 (0.03) .40 |
| a | Level | 188.67 (1.99) <.01 |
| a | Slope | -1.87 (0.21) <.01 |
| a | Level \* age | -2.60 (0.14) <.01 |
| a | Level \* education | 9.42 (2.13) <.01 |
| a | Level \* height | 2.69 (0.18) <.01 |
| a | Level \* smoking | -10.33 (2.10) <.01 |
| a | Level \* cardio | -9.47 (3.30) <.01 |
| a | Level \* diabetes | -5.61 (4.40) .20 |
| a | Slope \* age | -0.01 (0.02) .66 |
| a | Slope \* education | 0.01 (0.24) .95 |
| a | Slope \* height | -0.05 (0.02) .02 |
| a | Slope \* smoking | -0.39 (0.24) .11 |
| a | Slope \* cardio | -0.26 (0.49) .60 |
| a | Slope \* diabetes | -0.32 (0.59) .59 |
| b | Level | 0.84 (0.01) <.01 |
| b | Slope | -0.01 (0.00) <.01 |
| b | Level \* age | -0.01 (0.00) <.01 |
| b | Level \* education | 0.10 (0.01) <.01 |
| b | Level \* height | 0.00 (0.00) <.01 |
| b | Level \* smoking | -0.03 (0.01) <.01 |
| b | Level \* cardio | -0.07 (0.02) <.01 |
| b | Level \* diabetes | -0.12 (0.02) <.01 |
| b | Slope \* age | -0.00 (0.00) <.01 |
| b | Slope \* education | -0.00 (0.00) .40 |
| b | Slope \* height | 0.00 (0.00) .01 |
| b | Slope \* smoking | 0.00 (0.00) .53 |
| b | Slope \* cardio | -0.00 (0.00) .44 |
| b | Slope \* diabetes | 0.00 (0.00) .89 |
| a | Var (Level) | 1419.31 (96.29) <.01 |
| a | Var (Slope) | 2.85 (1.37) .04 |
|  | Var (Residual) | --- |
| b | Var (Level) | 0.03 (0.00) <.01 |
| b | Var (Slope) | 0.00 (0.00) <.01 |
|  | Var (Residual) | --- |
| a | Covar (Level, Slope) | -22.39 (9.03) .01 |
| b | Covar (Level, Slope) | 0.00 (0.00) <.01 |
|  | Correlation of Levels | 0.26 |
|  | Correlation of Slopes | Inf |
|  | Correlation of Residuals | NA |
|  | N | 2,018 |
|  | occasions | 6 |
|  | parameters | 41 |
|  | LL | -20,628 |
|  | AIC | 41,338 |
|  | BIC | 41,568 |

# male

Gender = *male*; Model type: *aehplus*; Process (a) = *fev100*; Process (b): *gait*

|  |  |  |  |
| --- | --- | --- | --- |
| process | label | gait | mean(sd) |
| ab | Covar (Levels) | 2.31 (0.43) <.01 | --- |
| ab | Covar (Slopes) | 0.01 (0.01) .26 | --- |
|  | Covar (Residuals) | --- | --- |
| er | Corr (Levels) | 0.22 (0.04) <.01 | --- |
| er | Corr (Slopes) | 0.19 (0.17) .26 | --- |
| er | Corr (Residuals) | 0.02 (0.03) .56 | --- |
| a | Level | 263.69 (4.03) <.01 | 263.69(NA) |
| a | Slope | -1.86 (0.59) <.01 | -1.86(NA) |
| a | Level \* age | -3.35 (0.22) <.01 | -3.35(NA) |
| a | Level \* education | 19.03 (3.47) <.01 | 19.03(NA) |
| a | Level \* height | 3.08 (0.27) <.01 | 3.08(NA) |
| a | Level \* smoking | -23.68 (3.69) <.01 | -23.68(NA) |
| a | Level \* cardio | -13.37 (4.29) <.01 | -13.37(NA) |
| a | Level \* diabetes | -0.80 (5.40) .88 | -0.80(NA) |
| a | Slope \* age | 0.03 (0.03) .35 | 0.03(NA) |
| a | Slope \* education | -0.74 (0.46) .11 | -0.74(NA) |
| a | Slope \* height | 0.03 (0.04) .34 | 0.03(NA) |
| a | Slope \* smoking | -0.04 (0.48) .93 | -0.04(NA) |
| a | Slope \* cardio | 0.76 (0.58) .18 | 0.76(NA) |
| a | Slope \* diabetes | -2.35 (0.68) <.01 | -2.35(NA) |
| b | Level | 0.87 (0.01) <.01 | --- |
| b | Slope | -0.01 (0.00) <.01 | --- |
| b | Level \* age | -0.01 (0.00) <.01 | --- |
| b | Level \* education | 0.11 (0.01) <.01 | --- |
| b | Level \* height | 0.00 (0.00) <.01 | --- |
| b | Level \* smoking | -0.04 (0.01) <.01 | --- |
| b | Level \* cardio | -0.04 (0.01) .02 | --- |
| b | Level \* diabetes | -0.06 (0.02) <.01 | --- |
| b | Slope \* age | 0.00 (0.00) <.01 | --- |
| b | Slope \* education | 0.00 (0.00) .27 | --- |
| b | Slope \* height | 0.00 (0.00) .39 | --- |
| b | Slope \* smoking | 0.00 (0.00) .99 | --- |
| b | Slope \* cardio | -0.00 (0.00) .44 | --- |
| b | Slope \* diabetes | -0.00 (0.00) .74 | --- |
| a | Var (Level) | 3261.87 (239.38) <.01 | 3261.87(NA) |
| a | Var (Slope) | 14.43 (5.01) <.01 | 14.43(NA) |
|  | Var (Residual) | --- | --- |
| b | Var (Level) | 0.04 (0.00) <.01 | --- |
| b | Var (Slope) | 0.00 (0.00) .02 | --- |
|  | Var (Residual) | --- | --- |
| a | Covar (Level, Slope) | -99.22 (29.06) <.01 | -99.22(NA) |
| b | Covar (Level, Slope) | -0.00 (0.00) .05 | --- |
|  | Correlation of Levels | 0.22 | 0.22(NA) |
|  | Correlation of Slopes | Inf | Inf(NA) |
|  | Correlation of Residuals | NA | --- |
|  | N | 1,828 | 1828.00(NA) |
|  | occasions | 6 | 6.00(NA) |
|  | parameters | 41 | 41.00(NA) |
|  | LL | -20,141 | -2.014062e+04(NA) |
|  | AIC | 40,363 | 4.036324e+04(NA) |
|  | BIC | 40,589 | 4.058918e+04(NA) |

## gait

Gender = *male*; Process (a) = *fev100*; Process (b) = *gait*

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | 2.31 (0.43) <.01 |
| ab | Covar (Slopes) | 0.01 (0.01) .26 |
|  | Covar (Residuals) | --- |
| er | Corr (Levels) | 0.22 (0.04) <.01 |
| er | Corr (Slopes) | 0.19 (0.17) .26 |
| er | Corr (Residuals) | 0.02 (0.03) .56 |
| a | Level | 263.69 (4.03) <.01 |
| a | Slope | -1.86 (0.59) <.01 |
| a | Level \* age | -3.35 (0.22) <.01 |
| a | Level \* education | 19.03 (3.47) <.01 |
| a | Level \* height | 3.08 (0.27) <.01 |
| a | Level \* smoking | -23.68 (3.69) <.01 |
| a | Level \* cardio | -13.37 (4.29) <.01 |
| a | Level \* diabetes | -0.80 (5.40) .88 |
| a | Slope \* age | 0.03 (0.03) .35 |
| a | Slope \* education | -0.74 (0.46) .11 |
| a | Slope \* height | 0.03 (0.04) .34 |
| a | Slope \* smoking | -0.04 (0.48) .93 |
| a | Slope \* cardio | 0.76 (0.58) .18 |
| a | Slope \* diabetes | -2.35 (0.68) <.01 |
| b | Level | 0.87 (0.01) <.01 |
| b | Slope | -0.01 (0.00) <.01 |
| b | Level \* age | -0.01 (0.00) <.01 |
| b | Level \* education | 0.11 (0.01) <.01 |
| b | Level \* height | 0.00 (0.00) <.01 |
| b | Level \* smoking | -0.04 (0.01) <.01 |
| b | Level \* cardio | -0.04 (0.01) .02 |
| b | Level \* diabetes | -0.06 (0.02) <.01 |
| b | Slope \* age | 0.00 (0.00) <.01 |
| b | Slope \* education | 0.00 (0.00) .27 |
| b | Slope \* height | 0.00 (0.00) .39 |
| b | Slope \* smoking | 0.00 (0.00) .99 |
| b | Slope \* cardio | -0.00 (0.00) .44 |
| b | Slope \* diabetes | -0.00 (0.00) .74 |
| a | Var (Level) | 3261.87 (239.38) <.01 |
| a | Var (Slope) | 14.43 (5.01) <.01 |
|  | Var (Residual) | --- |
| b | Var (Level) | 0.04 (0.00) <.01 |
| b | Var (Slope) | 0.00 (0.00) .02 |
|  | Var (Residual) | --- |
| a | Covar (Level, Slope) | -99.22 (29.06) <.01 |
| b | Covar (Level, Slope) | -0.00 (0.00) .05 |
|  | Correlation of Levels | 0.22 |
|  | Correlation of Slopes | Inf |
|  | Correlation of Residuals | NA |
|  | N | 1,828 |
|  | occasions | 6 |
|  | parameters | 41 |
|  | LL | -20,141 |
|  | AIC | 40,363 |
|  | BIC | 40,589 |

#Session Info

R version 3.3.2 (2016-10-31)  
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\_1.15.1 IalsaSynthesis\_0.1.8.9000 MplusAutomation\_0.6-4 magrittr\_1.5   
  
loaded via a namespace (and not attached):  
 [1] Rcpp\_0.12.9 plyr\_1.8.4 highr\_0.6 tools\_3.3.2 boot\_1.3-18 digest\_0.6.12   
 [7] jsonlite\_1.2 evaluate\_0.10 tibble\_1.2 gtable\_0.2.0 lattice\_0.20-34 texreg\_1.36.18   
[13] DBI\_0.5-1 yaml\_2.1.14 proto\_1.0.0 coda\_0.19-1 stringr\_1.1.0 dplyr\_0.5.0   
[19] htmlwidgets\_0.8 rprojroot\_1.2 grid\_3.3.2 DT\_0.2 R6\_2.2.0 gsubfn\_0.6-6   
[25] rmarkdown\_1.3 pander\_0.6.0 tidyr\_0.6.1 ggplot2\_2.2.1 readr\_1.0.0 scales\_0.4.1   
[31] backports\_1.0.5 htmltools\_0.3.5 rsconnect\_0.7 assertthat\_0.1 testit\_0.6 xtable\_1.8-2   
[37] colorspace\_1.3-2 stringi\_1.1.2 lazyeval\_0.2.0 munsell\_0.4.3