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

|  |  |  |
| --- | --- | --- |
| process\_a | process\_b | n\_models |
| grip | gait | 2 |
| grip | pef | 2 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| study\_name | subgroup | model\_type | process\_a | process\_b | n\_models |
| octo | female | aehplus | grip | gait | 1 |
| octo | female | aehplus | grip | pef | 1 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| study\_name | subgroup | model\_type | process\_a | process\_b | n\_models |
| octo | male | aehplus | grip | gait | 1 |
| octo | male | aehplus | grip | pef | 1 |

# female

Gender = *female*; Model type: *aehplus*; Process (a) = *grip*; Process (b): *gait*, *pef*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| process | label | gait | pef | mean(sd) |
| ab | Covar (Levels) | -2.08 (0.95) .03 | 44.94 (13.12) <.01 | --- |
| ab | Covar (Slopes) | -0.01 (0.05) .91 | 0.23 (0.27) .40 | --- |
|  | Covar (Residuals) | --- | --- | --- |
| er | Corr (Levels) | -0.33 (0.14) .02 | 0.39 (0.10) <.01 | --- |
| er | Corr (Slopes) | -0.04 (0.40) .91 | 0.34 (0.40) .39 | --- |
| er | Corr (Residuals) | -0.04 (0.07) .50 | 0.02 (0.06) .68 | --- |
| a | Level | 9.18 (0.29) <.01 | 9.19 (0.27) <.01 | 9.18(0.00) |
| a | Slope | -0.33 (0.04) <.01 | -0.33 (0.04) <.01 | -0.33(0.00) |
| a | Level \* age | -0.15 (0.06) .01 | -0.15 (0.05) <.01 | -0.15(0.00) |
| a | Level \* education | 0.17 (0.08) .04 | 0.17 (0.08) .03 | 0.17(0.00) |
| a | Level \* height | 0.09 (0.02) <.01 | 0.09 (0.02) <.01 | 0.09(0.00) |
| a | Level \* smoking | -0.52 (0.37) .17 | -0.51 (0.36) .15 | -0.51(0.00) |
| a | Level \* cardio | -0.16 (0.28) .57 | -0.16 (0.29) .57 | -0.16(0.00) |
| a | Level \* diabetes | -0.01 (0.55) .98 | -0.02 (0.53) .97 | -0.02(0.00) |
| a | Slope \* age | -0.00 (0.01) .68 | -0.00 (0.01) .67 | -0.00(0.00) |
| a | Slope \* education | -0.01 (0.01) .46 | -0.01 (0.01) .48 | -0.01(0.00) |
| a | Slope \* height | -0.00 (0.00) .55 | -0.00 (0.00) .59 | -0.00(0.00) |
| a | Slope \* smoking | 0.01 (0.06) .85 | 0.01 (0.06) .89 | 0.01(0.00) |
| a | Slope \* cardio | 0.00 (0.04) .99 | 0.00 (0.04) .99 | 0.00(0.00) |
| a | Slope \* diabetes | -0.05 (0.07) .48 | -0.04 (0.07) .59 | -0.04(0.01) |
| b | Level | 10.29 (0.97) <.01 | 327.88 (12.43) <.01 | --- |
| b | Slope | 0.53 (0.32) .10 | -7.07 (2.05) <.01 | --- |
| b | Level \* age | 0.32 (0.17) .07 | -6.62 (2.26) <.01 | --- |
| b | Level \* education | -0.32 (0.31) .30 | 5.83 (3.15) .06 | --- |
| b | Level \* height | -0.04 (0.08) .60 | 2.60 (0.98) .01 | --- |
| b | Level \* smoking | 0.04 (0.99) .97 | -35.45 (13.48) .01 | --- |
| b | Level \* cardio | 0.71 (0.86) .40 | 2.34 (11.87) .84 | --- |
| b | Level \* diabetes | 1.70 (1.71) .32 | 1.19 (32.57) .97 | --- |
| b | Slope \* age | -0.00 (0.07) .94 | 0.94 (0.42) .02 | --- |
| b | Slope \* education | -0.03 (0.11) .78 | -0.26 (0.58) .65 | --- |
| b | Slope \* height | 0.01 (0.03) .80 | -0.21 (0.13) .11 | --- |
| b | Slope \* smoking | 0.07 (0.45) .88 | -3.38 (2.58) .19 | --- |
| b | Slope \* cardio | -0.18 (0.35) .61 | -2.72 (2.28) .23 | --- |
| b | Slope \* diabetes | 1.09 (0.46) .02 | 3.53 (6.76) .60 | --- |
| a | Var (Level) | 3.19 (0.40) <.01 | 3.18 (0.35) <.01 | 3.19(0.01) |
| a | Var (Slope) | 0.02 (0.01) .03 | 0.02 (0.01) .04 | 0.02(0.00) |
|  | Var (Residual) | --- | --- | --- |
| b | Var (Level) | 12.37 (2.77) <.01 | 4263.73 (740.09) <.01 | --- |
| b | Var (Slope) | 0.96 (0.20) <.01 | 27.16 (16.41) .10 | --- |
|  | Var (Residual) | --- | --- | --- |
| a | Covar (Level, Slope) | -0.04 (0.05) .48 | -0.03 (0.04) .49 | -0.03(0.00) |
| b | Covar (Level, Slope) | 3.18 (0.47) <.01 | -154.09 (92.11) .09 | --- |
|  | Correlation of Levels | -0.331 | 0.39 | 0.03(0.51) |
|  | Correlation of Slopes | -0.046 | 0.34 | 0.15(0.27) |
|  | Correlation of Residuals | NA | NA | --- |
|  | N | 270 | 270 | 270.00(0.00) |
|  | occasions | 5 | 5 | 5.00(0.00) |
|  | parameters | 41 | 41 | 41.00(0.00) |
|  | LL | -4,128 | -5,669 | -4,898(1,089) |
|  | AIC | 8,338 | 11,419 | 9,878(2,179) |
|  | BIC | 8,485 | 11,567 | 10,026(2,179) |

## gait

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

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | -2.08 (0.95) .03 |
| ab | Covar (Slopes) | -0.01 (0.05) .91 |
|  | Covar (Residuals) | --- |
| er | Corr (Levels) | -0.33 (0.14) .02 |
| er | Corr (Slopes) | -0.04 (0.40) .91 |
| er | Corr (Residuals) | -0.04 (0.07) .50 |
| a | Level | 9.18 (0.29) <.01 |
| a | Slope | -0.33 (0.04) <.01 |
| a | Level \* age | -0.15 (0.06) .01 |
| a | Level \* education | 0.17 (0.08) .04 |
| a | Level \* height | 0.09 (0.02) <.01 |
| a | Level \* smoking | -0.52 (0.37) .17 |
| a | Level \* cardio | -0.16 (0.28) .57 |
| a | Level \* diabetes | -0.01 (0.55) .98 |
| a | Slope \* age | -0.00 (0.01) .68 |
| a | Slope \* education | -0.01 (0.01) .46 |
| a | Slope \* height | -0.00 (0.00) .55 |
| a | Slope \* smoking | 0.01 (0.06) .85 |
| a | Slope \* cardio | 0.00 (0.04) .99 |
| a | Slope \* diabetes | -0.05 (0.07) .48 |
| b | Level | 10.29 (0.97) <.01 |
| b | Slope | 0.53 (0.32) .10 |
| b | Level \* age | 0.32 (0.17) .07 |
| b | Level \* education | -0.32 (0.31) .30 |
| b | Level \* height | -0.04 (0.08) .60 |
| b | Level \* smoking | 0.04 (0.99) .97 |
| b | Level \* cardio | 0.71 (0.86) .40 |
| b | Level \* diabetes | 1.70 (1.71) .32 |
| b | Slope \* age | -0.00 (0.07) .94 |
| b | Slope \* education | -0.03 (0.11) .78 |
| b | Slope \* height | 0.01 (0.03) .80 |
| b | Slope \* smoking | 0.07 (0.45) .88 |
| b | Slope \* cardio | -0.18 (0.35) .61 |
| b | Slope \* diabetes | 1.09 (0.46) .02 |
| a | Var (Level) | 3.19 (0.40) <.01 |
| a | Var (Slope) | 0.02 (0.01) .03 |
|  | Var (Residual) | --- |
| b | Var (Level) | 12.37 (2.77) <.01 |
| b | Var (Slope) | 0.96 (0.20) <.01 |
|  | Var (Residual) | --- |
| a | Covar (Level, Slope) | -0.04 (0.05) .48 |
| b | Covar (Level, Slope) | 3.18 (0.47) <.01 |
|  | Correlation of Levels | -0.331 |
|  | Correlation of Slopes | -0.046 |
|  | Correlation of Residuals | NA |
|  | N | 270 |
|  | occasions | 5 |
|  | parameters | 41 |
|  | LL | -4,128 |
|  | AIC | 8,338 |
|  | BIC | 8,485 |

## pef

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

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | 44.94 (13.12) <.01 |
| ab | Covar (Slopes) | 0.23 (0.27) .40 |
|  | Covar (Residuals) | --- |
| er | Corr (Levels) | 0.39 (0.10) <.01 |
| er | Corr (Slopes) | 0.34 (0.40) .39 |
| er | Corr (Residuals) | 0.02 (0.06) .68 |
| a | Level | 9.19 (0.27) <.01 |
| a | Slope | -0.33 (0.04) <.01 |
| a | Level \* age | -0.15 (0.05) <.01 |
| a | Level \* education | 0.17 (0.08) .03 |
| a | Level \* height | 0.09 (0.02) <.01 |
| a | Level \* smoking | -0.51 (0.36) .15 |
| a | Level \* cardio | -0.16 (0.29) .57 |
| a | Level \* diabetes | -0.02 (0.53) .97 |
| a | Slope \* age | -0.00 (0.01) .67 |
| a | Slope \* education | -0.01 (0.01) .48 |
| a | Slope \* height | -0.00 (0.00) .59 |
| a | Slope \* smoking | 0.01 (0.06) .89 |
| a | Slope \* cardio | 0.00 (0.04) .99 |
| a | Slope \* diabetes | -0.04 (0.07) .59 |
| b | Level | 327.88 (12.43) <.01 |
| b | Slope | -7.07 (2.05) <.01 |
| b | Level \* age | -6.62 (2.26) <.01 |
| b | Level \* education | 5.83 (3.15) .06 |
| b | Level \* height | 2.60 (0.98) .01 |
| b | Level \* smoking | -35.45 (13.48) .01 |
| b | Level \* cardio | 2.34 (11.87) .84 |
| b | Level \* diabetes | 1.19 (32.57) .97 |
| b | Slope \* age | 0.94 (0.42) .02 |
| b | Slope \* education | -0.26 (0.58) .65 |
| b | Slope \* height | -0.21 (0.13) .11 |
| b | Slope \* smoking | -3.38 (2.58) .19 |
| b | Slope \* cardio | -2.72 (2.28) .23 |
| b | Slope \* diabetes | 3.53 (6.76) .60 |
| a | Var (Level) | 3.18 (0.35) <.01 |
| a | Var (Slope) | 0.02 (0.01) .04 |
|  | Var (Residual) | --- |
| b | Var (Level) | 4263.73 (740.09) <.01 |
| b | Var (Slope) | 27.16 (16.41) .10 |
|  | Var (Residual) | --- |
| a | Covar (Level, Slope) | -0.03 (0.04) .49 |
| b | Covar (Level, Slope) | -154.09 (92.11) .09 |
|  | Correlation of Levels | 0.39 |
|  | Correlation of Slopes | 0.34 |
|  | Correlation of Residuals | NA |
|  | N | 270 |
|  | occasions | 5 |
|  | parameters | 41 |
|  | LL | -5,669 |
|  | AIC | 11,419 |
|  | BIC | 11,567 |

# male

Gender = *male*; Model type: *aehplus*; Process (a) = *grip*; Process (b): *gait*, *pef*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| process | label | gait | pef | mean(sd) |
| ab | Covar (Levels) | -1.57 (0.98) .11 | 28.29 (25.48) .27 | --- |
| ab | Covar (Slopes) | -0.04 (0.04) .22 | 0.10 (0.89) .91 | --- |
|  | Covar (Residuals) | --- | --- | --- |
| er | Corr (Levels) | -0.35 (0.19) .07 | 0.15 (0.13) .25 | --- |
| er | Corr (Slopes) | -0.70 (0.53) .19 | 0.10 (0.91) .91 | --- |
| er | Corr (Residuals) | -0.13 (0.08) .11 | 0.14 (0.09) .12 | --- |
| a | Level | 10.76 (0.73) <.01 | 12.07 (0.61) <.01 | 11.41(0.93) |
| a | Slope | -0.10 (0.15) .48 | -0.23 (0.12) .06 | -0.17(0.09) |
| a | Level \* age | -0.16 (0.11) .14 | -0.16 (0.11) .13 | -0.16(0.00) |
| a | Level \* education | -0.13 (0.13) .30 | -0.13 (0.12) .24 | -0.13(0.00) |
| a | Level \* height | 0.11 (0.03) <.01 | 0.11 (0.04) <.01 | 0.11(0.00) |
| a | Level \* smoking | 0.12 (0.62) .85 | 0.12 (0.64) .85 | 0.12(0.00) |
| a | Level \* cardio | -0.42 (0.50) .40 | -0.42 (0.53) .43 | -0.42(0.00) |
| a | Level \* diabetes | -1.55 (0.86) .07 | -1.57 (0.81) .05 | -1.56(0.01) |
| a | Slope \* age | -0.06 (0.02) .01 | -0.05 (0.02) .01 | -0.06(0.00) |
| a | Slope \* education | -0.00 (0.02) .93 | -0.00 (0.02) .98 | -0.00(0.00) |
| a | Slope \* height | -0.01 (0.01) .30 | -0.01 (0.01) .24 | -0.01(0.00) |
| a | Slope \* smoking | 0.02 (0.11) .88 | 0.02 (0.10) .86 | 0.02(0.00) |
| a | Slope \* cardio | -0.23 (0.10) .02 | -0.23 (0.09) .01 | -0.23(0.00) |
| a | Slope \* diabetes | -0.08 (0.17) .66 | -0.07 (0.19) .71 | -0.07(0.01) |
| b | Level | 9.14 (1.34) <.01 | 466.52 (24.65) <.01 | --- |
| b | Slope | 0.19 (0.29) .51 | -4.51 (5.85) .44 | --- |
| b | Level \* age | 0.28 (0.16) .09 | -11.41 (4.26) .01 | --- |
| b | Level \* education | -0.07 (0.10) .47 | 6.93 (6.41) .28 | --- |
| b | Level \* height | -0.06 (0.06) .33 | 2.09 (2.09) .32 | --- |
| b | Level \* smoking | 1.05 (0.85) .21 | -35.09 (26.57) .19 | --- |
| b | Level \* cardio | 1.26 (0.76) .10 | -21.40 (23.36) .36 | --- |
| b | Level \* diabetes | 1.31 (1.23) .29 | 38.77 (53.75) .47 | --- |
| b | Slope \* age | -0.00 (0.04) .94 | -0.01 (0.97) .99 | --- |
| b | Slope \* education | 0.01 (0.04) .88 | -0.44 (0.81) .58 | --- |
| b | Slope \* height | 0.01 (0.01) .47 | 0.20 (0.37) .59 | --- |
| b | Slope \* smoking | -0.11 (0.21) .59 | -4.63 (4.99) .35 | --- |
| b | Slope \* cardio | 0.24 (0.18) .17 | -2.30 (4.57) .61 | --- |
| b | Slope \* diabetes | 0.12 (0.36) .75 | -5.17 (13.14) .69 | --- |
| a | Var (Level) | 4.47 (0.83) <.01 | 4.42 (0.84) <.01 | 4.45(0.04) |
| a | Var (Slope) | 0.04 (0.03) .08 | 0.04 (0.02) .09 | 0.04(0.00) |
|  | Var (Residual) | --- | --- | --- |
| b | Var (Level) | 4.57 (1.64) <.01 | 8263.24 (1871.13) <.01 | --- |
| b | Var (Slope) | 0.09 (0.10) .33 | 23.60 (46.25) .61 | --- |
|  | Var (Residual) | --- | --- | --- |
| a | Covar (Level, Slope) | -0.16 (0.13) .21 | -0.14 (0.12) .23 | -0.15(0.01) |
| b | Covar (Level, Slope) | -0.06 (0.28) .82 | -228.44 (274.33) .40 | --- |
|  | Correlation of Levels | -0.35 | 0.15 | -0.10(0.35) |
|  | Correlation of Slopes | -0.70 | 0.10 | -0.30(0.57) |
|  | Correlation of Residuals | NA | NA | --- |
|  | N | 138 | 138 | 138.00(0.00) |
|  | occasions | 5 | 5 | 5.00(0.00) |
|  | parameters | 41 | 41 | 41.00(0.00) |
|  | LL | -1,835 | -2,924 | -2,380( 770) |
|  | AIC | 3,753 | 5,930 | 4,841(1,540) |
|  | BIC | 3,873 | 6,050 | 4,961(1,540) |

## gait

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

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | -1.57 (0.98) .11 |
| ab | Covar (Slopes) | -0.04 (0.04) .22 |
|  | Covar (Residuals) | --- |
| er | Corr (Levels) | -0.35 (0.19) .07 |
| er | Corr (Slopes) | -0.70 (0.53) .19 |
| er | Corr (Residuals) | -0.13 (0.08) .11 |
| a | Level | 10.76 (0.73) <.01 |
| a | Slope | -0.10 (0.15) .48 |
| a | Level \* age | -0.16 (0.11) .14 |
| a | Level \* education | -0.13 (0.13) .30 |
| a | Level \* height | 0.11 (0.03) <.01 |
| a | Level \* smoking | 0.12 (0.62) .85 |
| a | Level \* cardio | -0.42 (0.50) .40 |
| a | Level \* diabetes | -1.55 (0.86) .07 |
| a | Slope \* age | -0.06 (0.02) .01 |
| a | Slope \* education | -0.00 (0.02) .93 |
| a | Slope \* height | -0.01 (0.01) .30 |
| a | Slope \* smoking | 0.02 (0.11) .88 |
| a | Slope \* cardio | -0.23 (0.10) .02 |
| a | Slope \* diabetes | -0.08 (0.17) .66 |
| b | Level | 9.14 (1.34) <.01 |
| b | Slope | 0.19 (0.29) .51 |
| b | Level \* age | 0.28 (0.16) .09 |
| b | Level \* education | -0.07 (0.10) .47 |
| b | Level \* height | -0.06 (0.06) .33 |
| b | Level \* smoking | 1.05 (0.85) .21 |
| b | Level \* cardio | 1.26 (0.76) .10 |
| b | Level \* diabetes | 1.31 (1.23) .29 |
| b | Slope \* age | -0.00 (0.04) .94 |
| b | Slope \* education | 0.01 (0.04) .88 |
| b | Slope \* height | 0.01 (0.01) .47 |
| b | Slope \* smoking | -0.11 (0.21) .59 |
| b | Slope \* cardio | 0.24 (0.18) .17 |
| b | Slope \* diabetes | 0.12 (0.36) .75 |
| a | Var (Level) | 4.47 (0.83) <.01 |
| a | Var (Slope) | 0.04 (0.03) .08 |
|  | Var (Residual) | --- |
| b | Var (Level) | 4.57 (1.64) <.01 |
| b | Var (Slope) | 0.09 (0.10) .33 |
|  | Var (Residual) | --- |
| a | Covar (Level, Slope) | -0.16 (0.13) .21 |
| b | Covar (Level, Slope) | -0.06 (0.28) .82 |
|  | Correlation of Levels | -0.35 |
|  | Correlation of Slopes | -0.70 |
|  | Correlation of Residuals | NA |
|  | N | 138 |
|  | occasions | 5 |
|  | parameters | 41 |
|  | LL | -1,835 |
|  | AIC | 3,753 |
|  | BIC | 3,873 |

## pef

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

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | 28.29 (25.48) .27 |
| ab | Covar (Slopes) | 0.10 (0.89) .91 |
|  | Covar (Residuals) | --- |
| er | Corr (Levels) | 0.15 (0.13) .25 |
| er | Corr (Slopes) | 0.10 (0.91) .91 |
| er | Corr (Residuals) | 0.14 (0.09) .12 |
| a | Level | 12.07 (0.61) <.01 |
| a | Slope | -0.23 (0.12) .06 |
| a | Level \* age | -0.16 (0.11) .13 |
| a | Level \* education | -0.13 (0.12) .24 |
| a | Level \* height | 0.11 (0.04) <.01 |
| a | Level \* smoking | 0.12 (0.64) .85 |
| a | Level \* cardio | -0.42 (0.53) .43 |
| a | Level \* diabetes | -1.57 (0.81) .05 |
| a | Slope \* age | -0.05 (0.02) .01 |
| a | Slope \* education | -0.00 (0.02) .98 |
| a | Slope \* height | -0.01 (0.01) .24 |
| a | Slope \* smoking | 0.02 (0.10) .86 |
| a | Slope \* cardio | -0.23 (0.09) .01 |
| a | Slope \* diabetes | -0.07 (0.19) .71 |
| b | Level | 466.52 (24.65) <.01 |
| b | Slope | -4.51 (5.85) .44 |
| b | Level \* age | -11.41 (4.26) .01 |
| b | Level \* education | 6.93 (6.41) .28 |
| b | Level \* height | 2.09 (2.09) .32 |
| b | Level \* smoking | -35.09 (26.57) .19 |
| b | Level \* cardio | -21.40 (23.36) .36 |
| b | Level \* diabetes | 38.77 (53.75) .47 |
| b | Slope \* age | -0.01 (0.97) .99 |
| b | Slope \* education | -0.44 (0.81) .58 |
| b | Slope \* height | 0.20 (0.37) .59 |
| b | Slope \* smoking | -4.63 (4.99) .35 |
| b | Slope \* cardio | -2.30 (4.57) .61 |
| b | Slope \* diabetes | -5.17 (13.14) .69 |
| a | Var (Level) | 4.42 (0.84) <.01 |
| a | Var (Slope) | 0.04 (0.02) .09 |
|  | Var (Residual) | --- |
| b | Var (Level) | 8263.24 (1871.13) <.01 |
| b | Var (Slope) | 23.60 (46.25) .61 |
|  | Var (Residual) | --- |
| a | Covar (Level, Slope) | -0.14 (0.12) .23 |
| b | Covar (Level, Slope) | -228.44 (274.33) .40 |
|  | Correlation of Levels | 0.15 |
|  | Correlation of Slopes | 0.10 |
|  | Correlation of Residuals | NA |
|  | N | 138 |
|  | occasions | 5 |
|  | parameters | 41 |
|  | LL | -2,924 |
|  | AIC | 5,930 |
|  | BIC | 6,050 |

# pef : Available models

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

|  |  |  |
| --- | --- | --- |
| process\_a | process\_b | n\_models |
| pef | gait | 2 |

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

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

# female

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

|  |  |  |  |
| --- | --- | --- | --- |
| process | label | gait | mean(sd) |
| ab | Covar (Levels) | -79.93 (42.16) .06 | --- |
| ab | Covar (Slopes) | -3.79 (3.35) .26 | --- |
|  | Covar (Residuals) | --- | --- |
| er | Corr (Levels) | -0.35 (0.17) .04 | --- |
| er | Corr (Slopes) | -0.58 (0.40) .15 | --- |
| er | Corr (Residuals) | -0.02 (0.09) .81 | --- |
| a | Level | 327.17 (12.79) <.01 | 327.17(NA) |
| a | Slope | -7.54 (2.14) <.01 | -7.54(NA) |
| a | Level \* age | -6.12 (2.33) .01 | -6.12(NA) |
| a | Level \* education | 5.66 (3.17) .07 | 5.66(NA) |
| a | Level \* height | 2.62 (1.02) .01 | 2.62(NA) |
| a | Level \* smoking | -34.61 (13.90) .01 | -34.61(NA) |
| a | Level \* cardio | 3.25 (11.91) .78 | 3.25(NA) |
| a | Level \* diabetes | 1.86 (26.43) .94 | 1.86(NA) |
| a | Slope \* age | 0.82 (0.44) .06 | 0.82(NA) |
| a | Slope \* education | -0.16 (0.60) .79 | -0.16(NA) |
| a | Slope \* height | -0.25 (0.17) .15 | -0.25(NA) |
| a | Slope \* smoking | -3.87 (2.87) .18 | -3.87(NA) |
| a | Slope \* cardio | -2.27 (2.35) .33 | -2.27(NA) |
| a | Slope \* diabetes | 1.14 (5.87) .85 | 1.14(NA) |
| b | Level | 10.30 (0.96) <.01 | --- |
| b | Slope | 0.54 (0.34) .11 | --- |
| b | Level \* age | 0.32 (0.16) .06 | --- |
| b | Level \* education | -0.31 (0.30) .31 | --- |
| b | Level \* height | -0.04 (0.08) .60 | --- |
| b | Level \* smoking | 0.01 (0.97) .99 | --- |
| b | Level \* cardio | 0.74 (0.83) .37 | --- |
| b | Level \* diabetes | 1.68 (1.55) .28 | --- |
| b | Slope \* age | -0.01 (0.07) .91 | --- |
| b | Slope \* education | -0.03 (0.11) .79 | --- |
| b | Slope \* height | 0.01 (0.04) .76 | --- |
| b | Slope \* smoking | 0.08 (0.45) .86 | --- |
| b | Slope \* cardio | -0.19 (0.35) .58 | --- |
| b | Slope \* diabetes | 1.01 (0.51) .05 | --- |
| a | Var (Level) | 4215.38 (737.23) <.01 | 4215.38(NA) |
| a | Var (Slope) | 39.57 (23.90) .10 | 39.57(NA) |
|  | Var (Residual) | --- | --- |
| b | Var (Level) | 12.11 (2.63) <.01 | --- |
| b | Var (Slope) | 1.07 (0.22) <.01 | --- |
|  | Var (Residual) | --- | --- |
| a | Covar (Level, Slope) | -126.12 (97.27) .20 | -126.12(NA) |
| b | Covar (Level, Slope) | 3.30 (0.38) <.01 | --- |
|  | Correlation of Levels | -0.35 | -0.35(NA) |
|  | Correlation of Slopes | -0.58 | -0.58(NA) |
|  | Correlation of Residuals | NA | --- |
|  | N | 263 | 263.00(NA) |
|  | occasions | 5 | 5.00(NA) |
|  | parameters | 41 | 41.00(NA) |
|  | LL | -6,297 | -6,297(NA) |
|  | AIC | 12,676 | 12,676(NA) |
|  | BIC | 12,823 | 12,823(NA) |

## gait

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

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | -79.93 (42.16) .06 |
| ab | Covar (Slopes) | -3.79 (3.35) .26 |
|  | Covar (Residuals) | --- |
| er | Corr (Levels) | -0.35 (0.17) .04 |
| er | Corr (Slopes) | -0.58 (0.40) .15 |
| er | Corr (Residuals) | -0.02 (0.09) .81 |
| a | Level | 327.17 (12.79) <.01 |
| a | Slope | -7.54 (2.14) <.01 |
| a | Level \* age | -6.12 (2.33) .01 |
| a | Level \* education | 5.66 (3.17) .07 |
| a | Level \* height | 2.62 (1.02) .01 |
| a | Level \* smoking | -34.61 (13.90) .01 |
| a | Level \* cardio | 3.25 (11.91) .78 |
| a | Level \* diabetes | 1.86 (26.43) .94 |
| a | Slope \* age | 0.82 (0.44) .06 |
| a | Slope \* education | -0.16 (0.60) .79 |
| a | Slope \* height | -0.25 (0.17) .15 |
| a | Slope \* smoking | -3.87 (2.87) .18 |
| a | Slope \* cardio | -2.27 (2.35) .33 |
| a | Slope \* diabetes | 1.14 (5.87) .85 |
| b | Level | 10.30 (0.96) <.01 |
| b | Slope | 0.54 (0.34) .11 |
| b | Level \* age | 0.32 (0.16) .06 |
| b | Level \* education | -0.31 (0.30) .31 |
| b | Level \* height | -0.04 (0.08) .60 |
| b | Level \* smoking | 0.01 (0.97) .99 |
| b | Level \* cardio | 0.74 (0.83) .37 |
| b | Level \* diabetes | 1.68 (1.55) .28 |
| b | Slope \* age | -0.01 (0.07) .91 |
| b | Slope \* education | -0.03 (0.11) .79 |
| b | Slope \* height | 0.01 (0.04) .76 |
| b | Slope \* smoking | 0.08 (0.45) .86 |
| b | Slope \* cardio | -0.19 (0.35) .58 |
| b | Slope \* diabetes | 1.01 (0.51) .05 |
| a | Var (Level) | 4215.38 (737.23) <.01 |
| a | Var (Slope) | 39.57 (23.90) .10 |
|  | Var (Residual) | --- |
| b | Var (Level) | 12.11 (2.63) <.01 |
| b | Var (Slope) | 1.07 (0.22) <.01 |
|  | Var (Residual) | --- |
| a | Covar (Level, Slope) | -126.12 (97.27) .20 |
| b | Covar (Level, Slope) | 3.30 (0.38) <.01 |
|  | Correlation of Levels | -0.35 |
|  | Correlation of Slopes | -0.58 |
|  | Correlation of Residuals | NA |
|  | N | 263 |
|  | occasions | 5 |
|  | parameters | 41 |
|  | LL | -6,297 |
|  | AIC | 12,676 |
|  | BIC | 12,823 |

# male

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

|  |  |  |  |
| --- | --- | --- | --- |
| process | label | gait | mean(sd) |
| ab | Covar (Levels) | -70.87 (37.27) .06 | --- |
| ab | Covar (Slopes) | -1.34 (1.95) .49 | --- |
|  | Covar (Residuals) | --- | --- |
| er | Corr (Levels) | -0.38 (0.20) .06 | --- |
| er | Corr (Slopes) | -0.79 (1.10) .47 | --- |
| er | Corr (Residuals) | -0.05 (0.13) .72 | --- |
| a | Level | 443.45 (31.42) <.01 | 443.45(NA) |
| a | Slope | -7.54 (7.10) .29 | -7.54(NA) |
| a | Level \* age | -11.40 (4.38) .01 | -11.40(NA) |
| a | Level \* education | 7.04 (7.47) .35 | 7.04(NA) |
| a | Level \* height | 2.13 (1.98) .28 | 2.13(NA) |
| a | Level \* smoking | -38.37 (27.87) .17 | -38.37(NA) |
| a | Level \* cardio | -19.93 (25.03) .43 | -19.93(NA) |
| a | Level \* diabetes | 39.27 (63.42) .54 | 39.27(NA) |
| a | Slope \* age | 0.17 (1.03) .87 | 0.17(NA) |
| a | Slope \* education | -0.58 (0.97) .55 | -0.58(NA) |
| a | Slope \* height | 0.22 (0.35) .53 | 0.22(NA) |
| a | Slope \* smoking | -4.06 (5.58) .47 | -4.06(NA) |
| a | Slope \* cardio | -2.70 (5.30) .61 | -2.70(NA) |
| a | Slope \* diabetes | -5.70 (23.17) .81 | -5.70(NA) |
| b | Level | 9.17 (1.38) <.01 | --- |
| b | Slope | 0.18 (0.30) .53 | --- |
| b | Level \* age | 0.27 (0.17) .11 | --- |
| b | Level \* education | -0.09 (0.11) .41 | --- |
| b | Level \* height | -0.06 (0.06) .33 | --- |
| b | Level \* smoking | 1.06 (0.92) .25 | --- |
| b | Level \* cardio | 1.24 (0.77) .11 | --- |
| b | Level \* diabetes | 1.25 (1.20) .30 | --- |
| b | Slope \* age | -0.01 (0.05) .90 | --- |
| b | Slope \* education | 0.01 (0.04) .86 | --- |
| b | Slope \* height | 0.01 (0.01) .64 | --- |
| b | Slope \* smoking | -0.10 (0.22) .66 | --- |
| b | Slope \* cardio | 0.25 (0.19) .18 | --- |
| b | Slope \* diabetes | 0.11 (0.68) .87 | --- |
| a | Var (Level) | 8329.51 (1906.20) <.01 | 8329.51(NA) |
| a | Var (Slope) | 36.14 (47.75) .45 | 36.14(NA) |
|  | Var (Residual) | --- | --- |
| b | Var (Level) | 4.25 (1.68) .01 | --- |
| b | Var (Slope) | 0.08 (0.09) .37 | --- |
|  | Var (Residual) | --- | --- |
| a | Covar (Level, Slope) | -268.96 (248.21) .28 | -268.96(NA) |
| b | Covar (Level, Slope) | 0.01 (0.25) .97 | --- |
|  | Correlation of Levels | -0.38 | -0.38(NA) |
|  | Correlation of Slopes | -0.79 | -0.79(NA) |
|  | Correlation of Residuals | NA | --- |
|  | N | 132 | 132.00(NA) |
|  | occasions | 5 | 5.00(NA) |
|  | parameters | 41 | 41.00(NA) |
|  | LL | -3,031 | -3,031(NA) |
|  | AIC | 6,143 | 6,143(NA) |
|  | BIC | 6,262 | 6,262(NA) |

## gait

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

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | -70.87 (37.27) .06 |
| ab | Covar (Slopes) | -1.34 (1.95) .49 |
|  | Covar (Residuals) | --- |
| er | Corr (Levels) | -0.38 (0.20) .06 |
| er | Corr (Slopes) | -0.79 (1.10) .47 |
| er | Corr (Residuals) | -0.05 (0.13) .72 |
| a | Level | 443.45 (31.42) <.01 |
| a | Slope | -7.54 (7.10) .29 |
| a | Level \* age | -11.40 (4.38) .01 |
| a | Level \* education | 7.04 (7.47) .35 |
| a | Level \* height | 2.13 (1.98) .28 |
| a | Level \* smoking | -38.37 (27.87) .17 |
| a | Level \* cardio | -19.93 (25.03) .43 |
| a | Level \* diabetes | 39.27 (63.42) .54 |
| a | Slope \* age | 0.17 (1.03) .87 |
| a | Slope \* education | -0.58 (0.97) .55 |
| a | Slope \* height | 0.22 (0.35) .53 |
| a | Slope \* smoking | -4.06 (5.58) .47 |
| a | Slope \* cardio | -2.70 (5.30) .61 |
| a | Slope \* diabetes | -5.70 (23.17) .81 |
| b | Level | 9.17 (1.38) <.01 |
| b | Slope | 0.18 (0.30) .53 |
| b | Level \* age | 0.27 (0.17) .11 |
| b | Level \* education | -0.09 (0.11) .41 |
| b | Level \* height | -0.06 (0.06) .33 |
| b | Level \* smoking | 1.06 (0.92) .25 |
| b | Level \* cardio | 1.24 (0.77) .11 |
| b | Level \* diabetes | 1.25 (1.20) .30 |
| b | Slope \* age | -0.01 (0.05) .90 |
| b | Slope \* education | 0.01 (0.04) .86 |
| b | Slope \* height | 0.01 (0.01) .64 |
| b | Slope \* smoking | -0.10 (0.22) .66 |
| b | Slope \* cardio | 0.25 (0.19) .18 |
| b | Slope \* diabetes | 0.11 (0.68) .87 |
| a | Var (Level) | 8329.51 (1906.20) <.01 |
| a | Var (Slope) | 36.14 (47.75) .45 |
|  | Var (Residual) | --- |
| b | Var (Level) | 4.25 (1.68) .01 |
| b | Var (Slope) | 0.08 (0.09) .37 |
|  | Var (Residual) | --- |
| a | Covar (Level, Slope) | -268.96 (248.21) .28 |
| b | Covar (Level, Slope) | 0.01 (0.25) .97 |
|  | Correlation of Levels | -0.38 |
|  | Correlation of Slopes | -0.79 |
|  | Correlation of Residuals | NA |
|  | N | 132 |
|  | occasions | 5 |
|  | parameters | 41 |
|  | LL | -3,031 |
|  | AIC | 6,143 |
|  | BIC | 6,262 |

#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