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

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

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

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

# female

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

|  |  |  |  |
| --- | --- | --- | --- |
| process | label | gait | mean(sd) |
| ab | Covar (Levels) | 16.31 (16.92) .34 | --- |
| ab | Covar (Slopes) | 0.46 (0.74) .53 | --- |
|  | Covar (Residuals) | --- | --- |
| er | Corr (Levels) | 0.17 (0.17) .31 | --- |
| er | Corr (Slopes) | 0.38 (0.50) .44 | --- |
| er | Corr (Residuals) | 0.03 (0.10) .78 | --- |
| a | Level | 18.51 (1.61) <.01 | 18.51(NA) |
| a | Slope | -2.29 (0.47) <.01 | -2.29(NA) |
| a | Level \* age | 0.07 (0.13) .59 | 0.07(NA) |
| a | Level \* education | -0.14 (0.16) .40 | -0.14(NA) |
| a | Level \* height | 0.22 (0.07) <.01 | 0.22(NA) |
| a | Level \* smoking | 0.97 (0.88) .27 | 0.97(NA) |
| a | Level \* cardio | 0.29 (2.46) .91 | 0.29(NA) |
| a | Level \* diabetes | -2.25 (1.60) .16 | -2.25(NA) |
| a | Slope \* age | -0.07 (0.03) .03 | -0.07(NA) |
| a | Slope \* education | 0.10 (0.04) .03 | 0.10(NA) |
| a | Slope \* height | -0.01 (0.02) .62 | -0.01(NA) |
| a | Slope \* smoking | -0.02 (0.34) .96 | -0.02(NA) |
| a | Slope \* cardio | 0.29 (0.59) .62 | 0.29(NA) |
| a | Slope \* diabetes | 0.25 (0.32) .44 | 0.25(NA) |
| b | Level | 109.59 (8.23) <.01 | --- |
| b | Slope | -3.19 (2.55) .21 | --- |
| b | Level \* age | -1.51 (0.47) <.01 | --- |
| b | Level \* education | 0.29 (0.86) .73 | --- |
| b | Level \* height | 0.05 (0.33) .87 | --- |
| b | Level \* smoking | 3.15 (4.09) .44 | --- |
| b | Level \* cardio | -4.26 (6.99) .54 | --- |
| b | Level \* diabetes | -18.34 (5.85) <.01 | --- |
| b | Slope \* age | -0.07 (0.13) .59 | --- |
| b | Slope \* education | 0.11 (0.29) .70 | --- |
| b | Slope \* height | 0.06 (0.08) .47 | --- |
| b | Slope \* smoking | -0.33 (1.30) .80 | --- |
| b | Slope \* cardio | -0.15 (1.95) .94 | --- |
| b | Slope \* diabetes | 0.50 (2.24) .82 | --- |
| a | Var (Level) | 25.14 (5.30) <.01 | 25.14(NA) |
| a | Var (Slope) | 0.23 (0.23) .33 | 0.23(NA) |
|  | Var (Residual) | --- | --- |
| b | Var (Level) | 343.99 (79.40) <.01 | --- |
| b | Var (Slope) | 6.37 (3.90) .10 | --- |
|  | Var (Residual) | --- | --- |
| a | Covar (Level, Slope) | -1.38 (1.16) .23 | -1.38(NA) |
| b | Covar (Level, Slope) | -13.23 (17.91) .46 | --- |
|  | Correlation of Levels | 0.18 | 0.18(NA) |
|  | Correlation of Slopes | 0.38 | 0.38(NA) |
|  | Correlation of Residuals | NA | --- |
|  | N | 147 | 147.00(NA) |
|  | occasions | 7 | 7.00(NA) |
|  | parameters | 41 | 41.00(NA) |
|  | LL | -2,650 | -2,650(NA) |
|  | AIC | 5,383 | 5,383(NA) |
|  | BIC | 5,505 | 5,505(NA) |

## gait

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

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | 16.31 (16.92) .34 |
| ab | Covar (Slopes) | 0.46 (0.74) .53 |
|  | Covar (Residuals) | --- |
| er | Corr (Levels) | 0.17 (0.17) .31 |
| er | Corr (Slopes) | 0.38 (0.50) .44 |
| er | Corr (Residuals) | 0.03 (0.10) .78 |
| a | Level | 18.51 (1.61) <.01 |
| a | Slope | -2.29 (0.47) <.01 |
| a | Level \* age | 0.07 (0.13) .59 |
| a | Level \* education | -0.14 (0.16) .40 |
| a | Level \* height | 0.22 (0.07) <.01 |
| a | Level \* smoking | 0.97 (0.88) .27 |
| a | Level \* cardio | 0.29 (2.46) .91 |
| a | Level \* diabetes | -2.25 (1.60) .16 |
| a | Slope \* age | -0.07 (0.03) .03 |
| a | Slope \* education | 0.10 (0.04) .03 |
| a | Slope \* height | -0.01 (0.02) .62 |
| a | Slope \* smoking | -0.02 (0.34) .96 |
| a | Slope \* cardio | 0.29 (0.59) .62 |
| a | Slope \* diabetes | 0.25 (0.32) .44 |
| b | Level | 109.59 (8.23) <.01 |
| b | Slope | -3.19 (2.55) .21 |
| b | Level \* age | -1.51 (0.47) <.01 |
| b | Level \* education | 0.29 (0.86) .73 |
| b | Level \* height | 0.05 (0.33) .87 |
| b | Level \* smoking | 3.15 (4.09) .44 |
| b | Level \* cardio | -4.26 (6.99) .54 |
| b | Level \* diabetes | -18.34 (5.85) <.01 |
| b | Slope \* age | -0.07 (0.13) .59 |
| b | Slope \* education | 0.11 (0.29) .70 |
| b | Slope \* height | 0.06 (0.08) .47 |
| b | Slope \* smoking | -0.33 (1.30) .80 |
| b | Slope \* cardio | -0.15 (1.95) .94 |
| b | Slope \* diabetes | 0.50 (2.24) .82 |
| a | Var (Level) | 25.14 (5.30) <.01 |
| a | Var (Slope) | 0.23 (0.23) .33 |
|  | Var (Residual) | --- |
| b | Var (Level) | 343.99 (79.40) <.01 |
| b | Var (Slope) | 6.37 (3.90) .10 |
|  | Var (Residual) | --- |
| a | Covar (Level, Slope) | -1.38 (1.16) .23 |
| b | Covar (Level, Slope) | -13.23 (17.91) .46 |
|  | Correlation of Levels | 0.18 |
|  | Correlation of Slopes | 0.38 |
|  | Correlation of Residuals | NA |
|  | N | 147 |
|  | occasions | 7 |
|  | parameters | 41 |
|  | LL | -2,650 |
|  | AIC | 5,383 |
|  | BIC | 5,505 |

# male

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

|  |  |  |  |
| --- | --- | --- | --- |
| process | label | gait | mean(sd) |
| ab | Covar (Levels) | 23.89 (37.41) .52 | --- |
| ab | Covar (Slopes) | 0.18 (2.28) .94 | --- |
|  | Covar (Residuals) | --- | --- |
| er | Corr (Levels) | 0.32 (0.45) .48 | --- |
| er | Corr (Slopes) | 0.24 (2.86) .93 | --- |
| er | Corr (Residuals) | 0.21 (0.25) .39 | --- |
| a | Level | 33.77 (7.42) <.01 | 33.77(NA) |
| a | Slope | -2.42 (2.72) .37 | -2.42(NA) |
| a | Level \* age | -0.55 (0.33) .09 | -0.55(NA) |
| a | Level \* education | -0.26 (0.48) .60 | -0.26(NA) |
| a | Level \* height | 0.21 (0.24) .37 | 0.21(NA) |
| a | Level \* smoking | -0.22 (3.30) .95 | -0.22(NA) |
| a | Level \* cardio | -0.36 (3.20) .91 | -0.36(NA) |
| a | Level \* diabetes | -0.39 (3.70) .92 | -0.39(NA) |
| a | Slope \* age | -0.03 (0.13) .81 | -0.03(NA) |
| a | Slope \* education | 0.02 (0.15) .88 | 0.02(NA) |
| a | Slope \* height | 0.00 (0.10) .98 | 0.00(NA) |
| a | Slope \* smoking | 0.45 (0.89) .62 | 0.45(NA) |
| a | Slope \* cardio | 0.77 (1.46) .60 | 0.77(NA) |
| a | Slope \* diabetes | -0.47 (1.83) .80 | -0.47(NA) |
| b | Level | 105.43 (15.43) <.01 | --- |
| b | Slope | -1.24 (5.30) .82 | --- |
| b | Level \* age | -0.54 (0.61) .38 | --- |
| b | Level \* education | 0.69 (1.15) .55 | --- |
| b | Level \* height | 0.08 (0.45) .86 | --- |
| b | Level \* smoking | -0.78 (8.01) .92 | --- |
| b | Level \* cardio | -2.56 (12.21) .83 | --- |
| b | Level \* diabetes | -4.71 (8.79) .59 | --- |
| b | Slope \* age | -0.09 (0.32) .79 | --- |
| b | Slope \* education | -0.28 (0.26) .27 | --- |
| b | Slope \* height | 0.01 (0.21) .94 | --- |
| b | Slope \* smoking | 0.66 (2.71) .81 | --- |
| b | Slope \* cardio | 0.42 (4.09) .92 | --- |
| b | Slope \* diabetes | 0.04 (3.26) .99 | --- |
| a | Var (Level) | 26.84 (16.36) .10 | 26.84(NA) |
| a | Var (Slope) | 0.73 (1.20) .54 | 0.73(NA) |
|  | Var (Residual) | --- | --- |
| b | Var (Level) | 213.71 (102.29) .04 | --- |
| b | Var (Slope) | 0.77 (7.95) .92 | --- |
|  | Var (Residual) | --- | --- |
| a | Covar (Level, Slope) | -2.27 (3.72) .54 | -2.27(NA) |
| b | Covar (Level, Slope) | -0.00 (19.88) .99 | --- |
|  | Correlation of Levels | 0.32 | 0.32(NA) |
|  | Correlation of Slopes | 0.24 | 0.24(NA) |
|  | Correlation of Residuals | NA | --- |
|  | N | 72 | 72.00(NA) |
|  | occasions | 7 | 7.00(NA) |
|  | parameters | 41 | 41.00(NA) |
|  | LL | -1,553 | -1,553(NA) |
|  | AIC | 3,188 | 3,188(NA) |
|  | BIC | 3,282 | 3,282(NA) |

## gait

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

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | 23.89 (37.41) .52 |
| ab | Covar (Slopes) | 0.18 (2.28) .94 |
|  | Covar (Residuals) | --- |
| er | Corr (Levels) | 0.32 (0.45) .48 |
| er | Corr (Slopes) | 0.24 (2.86) .93 |
| er | Corr (Residuals) | 0.21 (0.25) .39 |
| a | Level | 33.77 (7.42) <.01 |
| a | Slope | -2.42 (2.72) .37 |
| a | Level \* age | -0.55 (0.33) .09 |
| a | Level \* education | -0.26 (0.48) .60 |
| a | Level \* height | 0.21 (0.24) .37 |
| a | Level \* smoking | -0.22 (3.30) .95 |
| a | Level \* cardio | -0.36 (3.20) .91 |
| a | Level \* diabetes | -0.39 (3.70) .92 |
| a | Slope \* age | -0.03 (0.13) .81 |
| a | Slope \* education | 0.02 (0.15) .88 |
| a | Slope \* height | 0.00 (0.10) .98 |
| a | Slope \* smoking | 0.45 (0.89) .62 |
| a | Slope \* cardio | 0.77 (1.46) .60 |
| a | Slope \* diabetes | -0.47 (1.83) .80 |
| b | Level | 105.43 (15.43) <.01 |
| b | Slope | -1.24 (5.30) .82 |
| b | Level \* age | -0.54 (0.61) .38 |
| b | Level \* education | 0.69 (1.15) .55 |
| b | Level \* height | 0.08 (0.45) .86 |
| b | Level \* smoking | -0.78 (8.01) .92 |
| b | Level \* cardio | -2.56 (12.21) .83 |
| b | Level \* diabetes | -4.71 (8.79) .59 |
| b | Slope \* age | -0.09 (0.32) .79 |
| b | Slope \* education | -0.28 (0.26) .27 |
| b | Slope \* height | 0.01 (0.21) .94 |
| b | Slope \* smoking | 0.66 (2.71) .81 |
| b | Slope \* cardio | 0.42 (4.09) .92 |
| b | Slope \* diabetes | 0.04 (3.26) .99 |
| a | Var (Level) | 26.84 (16.36) .10 |
| a | Var (Slope) | 0.73 (1.20) .54 |
|  | Var (Residual) | --- |
| b | Var (Level) | 213.71 (102.29) .04 |
| b | Var (Slope) | 0.77 (7.95) .92 |
|  | Var (Residual) | --- |
| a | Covar (Level, Slope) | -2.27 (3.72) .54 |
| b | Covar (Level, Slope) | -0.00 (19.88) .99 |
|  | Correlation of Levels | 0.32 |
|  | Correlation of Slopes | 0.24 |
|  | Correlation of Residuals | NA |
|  | N | 72 |
|  | occasions | 7 |
|  | parameters | 41 |
|  | LL | -1,553 |
|  | AIC | 3,188 |
|  | BIC | 3,282 |

# pef : Available models

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

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

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

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

# female

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| process | label | gait | grip | mean(sd) |
| ab | Covar (Levels) | 67.25 (237.19) .78 | 98.73 (59.72) .10 | --- |
| ab | Covar (Slopes) | -10.98 (12.32) .37 | 0.12 (2.96) .97 | --- |
|  | Covar (Residuals) | --- | --- | --- |
| er | Corr (Levels) | 0.05 (0.19) .78 | 0.29 (0.15) .05 | --- |
| er | Corr (Slopes) | -0.55 (0.52) .28 | 0.03 (0.80) .97 | --- |
| er | Corr (Residuals) | 0.10 (0.12) .44 | 0.11 (0.10) .26 | --- |
| a | Level | 345.14 (25.01) <.01 | 342.90 (26.27) <.01 | 344.02(1.58) |
| a | Slope | -28.95 (7.62) <.01 | -27.84 (7.34) <.01 | -28.39(0.78) |
| a | Level \* age | -4.33 (1.67) .01 | -4.28 (2.00) .03 | -4.30(0.04) |
| a | Level \* education | -2.12 (2.55) .41 | -1.86 (2.91) .52 | -1.99(0.18) |
| a | Level \* height | 0.41 (1.27) .75 | 0.40 (1.28) .76 | 0.40(0.01) |
| a | Level \* smoking | -0.64 (15.26) .97 | -0.58 (17.41) .97 | -0.61(0.04) |
| a | Level \* cardio | -22.74 (25.25) .37 | -22.73 (27.30) .40 | -22.74(0.01) |
| a | Level \* diabetes | -25.57 (25.34) .31 | -25.82 (24.75) .30 | -25.69(0.18) |
| a | Slope \* age | 0.20 (0.49) .68 | 0.19 (0.55) .74 | 0.20(0.01) |
| a | Slope \* education | 0.72 (0.88) .41 | 0.55 (0.85) .51 | 0.64(0.12) |
| a | Slope \* height | 0.62 (0.32) .05 | 0.64 (0.37) .09 | 0.63(0.01) |
| a | Slope \* smoking | 1.95 (3.77) .61 | 1.96 (4.37) .65 | 1.95(0.01) |
| a | Slope \* cardio | 3.15 (8.63) .71 | 3.03 (10.01) .76 | 3.09(0.08) |
| a | Slope \* diabetes | -0.94 (7.94) .90 | -0.66 (8.73) .94 | -0.80(0.20) |
| b | Level | 110.61 (8.32) <.01 | 18.66 (1.64) <.01 | --- |
| b | Slope | -3.65 (2.38) .12 | -2.32 (0.50) <.01 | --- |
| b | Level \* age | -1.56 (0.48) <.01 | 0.06 (0.12) .60 | --- |
| b | Level \* education | 0.31 (0.84) .71 | -0.15 (0.16) .32 | --- |
| b | Level \* height | 0.04 (0.33) .90 | 0.21 (0.08) <.01 | --- |
| b | Level \* smoking | 2.99 (4.44) .50 | 0.96 (1.11) .39 | --- |
| b | Level \* cardio | -5.17 (6.84) .45 | 0.09 (2.73) .97 | --- |
| b | Level \* diabetes | -18.82 (6.26) <.01 | -2.27 (1.68) .17 | --- |
| b | Slope \* age | -0.04 (0.12) .74 | -0.06 (0.03) .05 | --- |
| b | Slope \* education | 0.12 (0.29) .68 | 0.10 (0.05) .03 | --- |
| b | Slope \* height | 0.07 (0.08) .41 | -0.01 (0.02) .56 | --- |
| b | Slope \* smoking | -0.31 (1.31) .81 | -0.02 (0.32) .95 | --- |
| b | Slope \* cardio | 0.10 (2.05) .96 | 0.29 (0.61) .63 | --- |
| b | Slope \* diabetes | 0.51 (2.04) .80 | 0.21 (0.34) .53 | --- |
| a | Var (Level) | 4732.25 (1131.20) <.01 | 4698.59 (1151.56) <.01 | 4715.42(23.80) |
| a | Var (Slope) | 58.23 (43.97) .18 | 59.97 (45.73) .19 | 59.10(1.23) |
|  | Var (Residual) | --- | --- | --- |
| b | Var (Level) | 347.82 (88.89) <.01 | 24.96 (5.37) <.01 | --- |
| b | Var (Slope) | 6.74 (3.85) .08 | 0.23 (0.23) .31 | --- |
|  | Var (Residual) | --- | --- | --- |
| a | Covar (Level, Slope) | -351.80 (181.86) .05 | -343.08 (186.70) .07 | -347.44(6.16) |
| b | Covar (Level, Slope) | -15.13 (19.84) .45 | -1.33 (1.22) .28 | --- |
|  | Correlation of Levels | 0.052 | 0.288 | 0.17(0.17) |
|  | Correlation of Slopes | -0.554 | 0.034 | -0.26(0.42) |
|  | Correlation of Residuals | NA | NA | --- |
|  | N | 150 | 150 | 150.00(0.00) |
|  | occasions | 7 | 7 | 7.00(0.00) |
|  | parameters | 41 | 41 | 41.00(0.00) |
|  | LL | -3,904 | -3,583 | -3,743(227) |
|  | AIC | 7,890 | 7,247 | 7,569(455) |
|  | BIC | 8,014 | 7,371 | 7,692(455) |

## gait

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

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | 67.25 (237.19) .78 |
| ab | Covar (Slopes) | -10.98 (12.32) .37 |
|  | Covar (Residuals) | --- |
| er | Corr (Levels) | 0.05 (0.19) .78 |
| er | Corr (Slopes) | -0.55 (0.52) .28 |
| er | Corr (Residuals) | 0.10 (0.12) .44 |
| a | Level | 345.14 (25.01) <.01 |
| a | Slope | -28.95 (7.62) <.01 |
| a | Level \* age | -4.33 (1.67) .01 |
| a | Level \* education | -2.12 (2.55) .41 |
| a | Level \* height | 0.41 (1.27) .75 |
| a | Level \* smoking | -0.64 (15.26) .97 |
| a | Level \* cardio | -22.74 (25.25) .37 |
| a | Level \* diabetes | -25.57 (25.34) .31 |
| a | Slope \* age | 0.20 (0.49) .68 |
| a | Slope \* education | 0.72 (0.88) .41 |
| a | Slope \* height | 0.62 (0.32) .05 |
| a | Slope \* smoking | 1.95 (3.77) .61 |
| a | Slope \* cardio | 3.15 (8.63) .71 |
| a | Slope \* diabetes | -0.94 (7.94) .90 |
| b | Level | 110.61 (8.32) <.01 |
| b | Slope | -3.65 (2.38) .12 |
| b | Level \* age | -1.56 (0.48) <.01 |
| b | Level \* education | 0.31 (0.84) .71 |
| b | Level \* height | 0.04 (0.33) .90 |
| b | Level \* smoking | 2.99 (4.44) .50 |
| b | Level \* cardio | -5.17 (6.84) .45 |
| b | Level \* diabetes | -18.82 (6.26) <.01 |
| b | Slope \* age | -0.04 (0.12) .74 |
| b | Slope \* education | 0.12 (0.29) .68 |
| b | Slope \* height | 0.07 (0.08) .41 |
| b | Slope \* smoking | -0.31 (1.31) .81 |
| b | Slope \* cardio | 0.10 (2.05) .96 |
| b | Slope \* diabetes | 0.51 (2.04) .80 |
| a | Var (Level) | 4732.25 (1131.20) <.01 |
| a | Var (Slope) | 58.23 (43.97) .18 |
|  | Var (Residual) | --- |
| b | Var (Level) | 347.82 (88.89) <.01 |
| b | Var (Slope) | 6.74 (3.85) .08 |
|  | Var (Residual) | --- |
| a | Covar (Level, Slope) | -351.80 (181.86) .05 |
| b | Covar (Level, Slope) | -15.13 (19.84) .45 |
|  | Correlation of Levels | 0.052 |
|  | Correlation of Slopes | -0.554 |
|  | Correlation of Residuals | NA |
|  | N | 150 |
|  | occasions | 7 |
|  | parameters | 41 |
|  | LL | -3,904 |
|  | AIC | 7,890 |
|  | BIC | 8,014 |

## grip

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

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | 98.73 (59.72) .10 |
| ab | Covar (Slopes) | 0.12 (2.96) .97 |
|  | Covar (Residuals) | --- |
| er | Corr (Levels) | 0.29 (0.15) .05 |
| er | Corr (Slopes) | 0.03 (0.80) .97 |
| er | Corr (Residuals) | 0.11 (0.10) .26 |
| a | Level | 342.90 (26.27) <.01 |
| a | Slope | -27.84 (7.34) <.01 |
| a | Level \* age | -4.28 (2.00) .03 |
| a | Level \* education | -1.86 (2.91) .52 |
| a | Level \* height | 0.40 (1.28) .76 |
| a | Level \* smoking | -0.58 (17.41) .97 |
| a | Level \* cardio | -22.73 (27.30) .40 |
| a | Level \* diabetes | -25.82 (24.75) .30 |
| a | Slope \* age | 0.19 (0.55) .74 |
| a | Slope \* education | 0.55 (0.85) .51 |
| a | Slope \* height | 0.64 (0.37) .09 |
| a | Slope \* smoking | 1.96 (4.37) .65 |
| a | Slope \* cardio | 3.03 (10.01) .76 |
| a | Slope \* diabetes | -0.66 (8.73) .94 |
| b | Level | 18.66 (1.64) <.01 |
| b | Slope | -2.32 (0.50) <.01 |
| b | Level \* age | 0.06 (0.12) .60 |
| b | Level \* education | -0.15 (0.16) .32 |
| b | Level \* height | 0.21 (0.08) <.01 |
| b | Level \* smoking | 0.96 (1.11) .39 |
| b | Level \* cardio | 0.09 (2.73) .97 |
| b | Level \* diabetes | -2.27 (1.68) .17 |
| b | Slope \* age | -0.06 (0.03) .05 |
| b | Slope \* education | 0.10 (0.05) .03 |
| b | Slope \* height | -0.01 (0.02) .56 |
| b | Slope \* smoking | -0.02 (0.32) .95 |
| b | Slope \* cardio | 0.29 (0.61) .63 |
| b | Slope \* diabetes | 0.21 (0.34) .53 |
| a | Var (Level) | 4698.59 (1151.56) <.01 |
| a | Var (Slope) | 59.97 (45.73) .19 |
|  | Var (Residual) | --- |
| b | Var (Level) | 24.96 (5.37) <.01 |
| b | Var (Slope) | 0.23 (0.23) .31 |
|  | Var (Residual) | --- |
| a | Covar (Level, Slope) | -343.08 (186.70) .07 |
| b | Covar (Level, Slope) | -1.33 (1.22) .28 |
|  | Correlation of Levels | 0.288 |
|  | Correlation of Slopes | 0.034 |
|  | Correlation of Residuals | NA |
|  | N | 150 |
|  | occasions | 7 |
|  | parameters | 41 |
|  | LL | -3,583 |
|  | AIC | 7,247 |
|  | BIC | 7,371 |

# male

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| process | label | gait | grip | mean(sd) |
| ab | Covar (Levels) | -64.30 (734.65) .93 | 24.83 (258.35) .92 | --- |
| ab | Covar (Slopes) | -7.98 (29.04) .78 | 1.16 (32.16) .97 | --- |
|  | Covar (Residuals) | --- | --- | --- |
| er | Corr (Levels) | -0.04 (0.44) .93 | 0.04 (0.45) .92 | --- |
| er | Corr (Slopes) | -0.45 (1.86) .81 | 0.08 (2.22) .97 | --- |
| er | Corr (Residuals) | 0.18 (0.21) .40 | 0.24 (0.17) .15 | --- |
| a | Level | 404.36 (113.72) <.01 | 403.73 (136.72) <.01 | 404.05(0.45) |
| a | Slope | -26.81 (52.66) .61 | -27.65 (46.58) .55 | -27.23(0.59) |
| a | Level \* age | -4.75 (5.54) .39 | -5.44 (7.00) .44 | -5.10(0.49) |
| a | Level \* education | 4.51 (8.77) .61 | 5.68 (10.55) .59 | 5.10(0.82) |
| a | Level \* height | 3.32 (4.38) .45 | 3.06 (3.51) .38 | 3.19(0.19) |
| a | Level \* smoking | -23.83 (86.98) .78 | -25.15 (76.89) .74 | -24.49(0.93) |
| a | Level \* cardio | -19.67 (74.06) .79 | -18.40 (84.79) .83 | -19.04(0.90) |
| a | Level \* diabetes | -15.87 (79.07) .84 | -11.63 (54.41) .83 | -13.75(3.00) |
| a | Slope \* age | 0.22 (2.18) .92 | 0.72 (2.11) .73 | 0.47(0.36) |
| a | Slope \* education | 0.72 (2.54) .78 | -0.14 (2.66) .96 | 0.29(0.61) |
| a | Slope \* height | -0.24 (1.71) .89 | -0.02 (1.58) .99 | -0.13(0.15) |
| a | Slope \* smoking | 0.19 (25.48) .99 | 2.10 (21.13) .92 | 1.14(1.35) |
| a | Slope \* cardio | -4.61 (38.42) .90 | -5.97 (30.99) .85 | -5.29(0.96) |
| a | Slope \* diabetes | -0.50 (32.22) .99 | -3.63 (24.77) .88 | -2.07(2.21) |
| b | Level | 106.48 (14.51) <.01 | 33.71 (5.83) <.01 | --- |
| b | Slope | -2.07 (6.16) .74 | -2.30 (1.72) .18 | --- |
| b | Level \* age | -0.47 (0.58) .42 | -0.53 (0.28) .06 | --- |
| b | Level \* education | 0.67 (1.06) .53 | -0.29 (0.43) .51 | --- |
| b | Level \* height | 0.05 (0.46) .92 | 0.22 (0.20) .27 | --- |
| b | Level \* smoking | -1.45 (7.03) .84 | -0.12 (3.61) .97 | --- |
| b | Level \* cardio | -2.65 (13.60) .84 | -0.44 (3.70) .91 | --- |
| b | Level \* diabetes | -4.94 (11.15) .66 | -0.44 (3.34) .90 | --- |
| b | Slope \* age | -0.08 (0.29) .78 | -0.05 (0.09) .60 | --- |
| b | Slope \* education | -0.27 (0.42) .51 | 0.04 (0.12) .73 | --- |
| b | Slope \* height | 0.05 (0.21) .83 | -0.01 (0.07) .94 | --- |
| b | Slope \* smoking | 0.95 (3.06) .76 | 0.36 (1.10) .74 | --- |
| b | Slope \* cardio | 0.35 (5.89) .95 | 0.82 (0.99) .41 | --- |
| b | Slope \* diabetes | -0.11 (4.81) .98 | -0.42 (0.97) .66 | --- |
| a | Var (Level) | 12233.08 (6432.02) .06 | 12172.06 (6209.04) .05 | 12202.57(43.14) |
| a | Var (Slope) | 269.59 (447.93) .55 | 317.94 (483.08) .51 | 293.76(34.19) |
|  | Var (Residual) | --- | --- | --- |
| b | Var (Level) | 227.47 (127.34) .07 | 26.60 (19.35) .17 | --- |
| b | Var (Slope) | 1.17 (5.37) .83 | 0.63 (1.30) .63 | --- |
|  | Var (Residual) | --- | --- | --- |
| a | Covar (Level, Slope) | -826.29 (1495.31) .58 | -839.47 (1678.46) .62 | -832.88(9.32) |
| b | Covar (Level, Slope) | -3.42 (33.86) .92 | -2.26 (3.64) .54 | --- |
|  | Correlation of Levels | -0.039 | 0.044 | 0.00(0.06) |
|  | Correlation of Slopes | -0.448 | 0.082 | -0.18(0.38) |
|  | Correlation of Residuals | NA | NA | --- |
|  | N | 72 | 72 | 72.00(0.00) |
|  | occasions | 7 | 7 | 7.00(0.00) |
|  | parameters | 41 | 41 | 41.00(0.00) |
|  | LL | -2,231 | -2,151 | -2,191( 56) |
|  | AIC | 4,544 | 4,385 | 4,464(112) |
|  | BIC | 4,637 | 4,478 | 4,558(112) |

## gait

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

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | -64.30 (734.65) .93 |
| ab | Covar (Slopes) | -7.98 (29.04) .78 |
|  | Covar (Residuals) | --- |
| er | Corr (Levels) | -0.04 (0.44) .93 |
| er | Corr (Slopes) | -0.45 (1.86) .81 |
| er | Corr (Residuals) | 0.18 (0.21) .40 |
| a | Level | 404.36 (113.72) <.01 |
| a | Slope | -26.81 (52.66) .61 |
| a | Level \* age | -4.75 (5.54) .39 |
| a | Level \* education | 4.51 (8.77) .61 |
| a | Level \* height | 3.32 (4.38) .45 |
| a | Level \* smoking | -23.83 (86.98) .78 |
| a | Level \* cardio | -19.67 (74.06) .79 |
| a | Level \* diabetes | -15.87 (79.07) .84 |
| a | Slope \* age | 0.22 (2.18) .92 |
| a | Slope \* education | 0.72 (2.54) .78 |
| a | Slope \* height | -0.24 (1.71) .89 |
| a | Slope \* smoking | 0.19 (25.48) .99 |
| a | Slope \* cardio | -4.61 (38.42) .90 |
| a | Slope \* diabetes | -0.50 (32.22) .99 |
| b | Level | 106.48 (14.51) <.01 |
| b | Slope | -2.07 (6.16) .74 |
| b | Level \* age | -0.47 (0.58) .42 |
| b | Level \* education | 0.67 (1.06) .53 |
| b | Level \* height | 0.05 (0.46) .92 |
| b | Level \* smoking | -1.45 (7.03) .84 |
| b | Level \* cardio | -2.65 (13.60) .84 |
| b | Level \* diabetes | -4.94 (11.15) .66 |
| b | Slope \* age | -0.08 (0.29) .78 |
| b | Slope \* education | -0.27 (0.42) .51 |
| b | Slope \* height | 0.05 (0.21) .83 |
| b | Slope \* smoking | 0.95 (3.06) .76 |
| b | Slope \* cardio | 0.35 (5.89) .95 |
| b | Slope \* diabetes | -0.11 (4.81) .98 |
| a | Var (Level) | 12233.08 (6432.02) .06 |
| a | Var (Slope) | 269.59 (447.93) .55 |
|  | Var (Residual) | --- |
| b | Var (Level) | 227.47 (127.34) .07 |
| b | Var (Slope) | 1.17 (5.37) .83 |
|  | Var (Residual) | --- |
| a | Covar (Level, Slope) | -826.29 (1495.31) .58 |
| b | Covar (Level, Slope) | -3.42 (33.86) .92 |
|  | Correlation of Levels | -0.039 |
|  | Correlation of Slopes | -0.448 |
|  | Correlation of Residuals | NA |
|  | N | 72 |
|  | occasions | 7 |
|  | parameters | 41 |
|  | LL | -2,231 |
|  | AIC | 4,544 |
|  | BIC | 4,637 |

## grip

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

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | 24.83 (258.35) .92 |
| ab | Covar (Slopes) | 1.16 (32.16) .97 |
|  | Covar (Residuals) | --- |
| er | Corr (Levels) | 0.04 (0.45) .92 |
| er | Corr (Slopes) | 0.08 (2.22) .97 |
| er | Corr (Residuals) | 0.24 (0.17) .15 |
| a | Level | 403.73 (136.72) <.01 |
| a | Slope | -27.65 (46.58) .55 |
| a | Level \* age | -5.44 (7.00) .44 |
| a | Level \* education | 5.68 (10.55) .59 |
| a | Level \* height | 3.06 (3.51) .38 |
| a | Level \* smoking | -25.15 (76.89) .74 |
| a | Level \* cardio | -18.40 (84.79) .83 |
| a | Level \* diabetes | -11.63 (54.41) .83 |
| a | Slope \* age | 0.72 (2.11) .73 |
| a | Slope \* education | -0.14 (2.66) .96 |
| a | Slope \* height | -0.02 (1.58) .99 |
| a | Slope \* smoking | 2.10 (21.13) .92 |
| a | Slope \* cardio | -5.97 (30.99) .85 |
| a | Slope \* diabetes | -3.63 (24.77) .88 |
| b | Level | 33.71 (5.83) <.01 |
| b | Slope | -2.30 (1.72) .18 |
| b | Level \* age | -0.53 (0.28) .06 |
| b | Level \* education | -0.29 (0.43) .51 |
| b | Level \* height | 0.22 (0.20) .27 |
| b | Level \* smoking | -0.12 (3.61) .97 |
| b | Level \* cardio | -0.44 (3.70) .91 |
| b | Level \* diabetes | -0.44 (3.34) .90 |
| b | Slope \* age | -0.05 (0.09) .60 |
| b | Slope \* education | 0.04 (0.12) .73 |
| b | Slope \* height | -0.01 (0.07) .94 |
| b | Slope \* smoking | 0.36 (1.10) .74 |
| b | Slope \* cardio | 0.82 (0.99) .41 |
| b | Slope \* diabetes | -0.42 (0.97) .66 |
| a | Var (Level) | 12172.06 (6209.04) .05 |
| a | Var (Slope) | 317.94 (483.08) .51 |
|  | Var (Residual) | --- |
| b | Var (Level) | 26.60 (19.35) .17 |
| b | Var (Slope) | 0.63 (1.30) .63 |
|  | Var (Residual) | --- |
| a | Covar (Level, Slope) | -839.47 (1678.46) .62 |
| b | Covar (Level, Slope) | -2.26 (3.64) .54 |
|  | Correlation of Levels | 0.044 |
|  | Correlation of Slopes | 0.082 |
|  | Correlation of Residuals | NA |
|  | N | 72 |
|  | occasions | 7 |
|  | parameters | 41 |
|  | LL | -2,151 |
|  | AIC | 4,385 |
|  | BIC | 4,478 |

#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