HRS : Tabulation Report

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

# grip : Available models

Study **HRS** 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 |
| hrs | female | aehplus | grip | gait | 1 |
| hrs | female | aehplus | grip | pef | 1 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| study\_name | subgroup | model\_type | process\_a | process\_b | n\_models |
| hrs | male | aehplus | grip | gait | 1 |
| hrs | 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) | 0.17 (0.03) <.01 | 89.96 (6.42) <.01 | --- |
| ab | Covar (Slopes) | 0.00 (0.00) .82 | 0.45 (0.13) <.01 | --- |
|  | Covar (Residuals) | --- | --- | --- |
| er | Corr (Levels) | 0.26 (0.04) <.01 | 0.33 (0.02) <.01 | --- |
| er | Corr (Slopes) | -0.05 (0.21) .82 | 0.58 (0.17) <.01 | --- |
| er | Corr (Residuals) | 0.10 (0.02) <.01 | 0.06 (0.02) <.01 | --- |
| a | Level | 24.00 (0.21) <.01 | 23.98 (0.21) <.01 | 23.99(0.01) |
| a | Slope | -0.45 (0.03) <.01 | -0.45 (0.03) <.01 | -0.45(0.00) |
| a | Level \* age | -0.26 (0.01) <.01 | -0.26 (0.01) <.01 | -0.26(0.00) |
| a | Level \* education | 0.01 (0.03) .72 | 0.01 (0.03) .66 | 0.01(0.00) |
| a | Level \* height | 0.23 (0.01) <.01 | 0.23 (0.01) <.01 | 0.23(0.00) |
| a | Level \* smoking | -0.11 (0.16) .47 | -0.12 (0.16) .46 | -0.12(0.00) |
| a | Level \* cardio | -1.22 (0.20) <.01 | -1.23 (0.20) <.01 | -1.23(0.00) |
| a | Level \* diabetes | -1.22 (0.21) <.01 | -1.23 (0.21) <.01 | -1.22(0.00) |
| a | Slope \* age | -0.01 (0.00) <.01 | -0.01 (0.00) <.01 | -0.01(0.00) |
| a | Slope \* education | 0.00 (0.00) .95 | 0.00 (0.00) .99 | 0.00(0.00) |
| a | Slope \* height | -0.00 (0.00) .26 | -0.00 (0.00) .34 | -0.00(0.00) |
| a | Slope \* smoking | -0.01 (0.02) .52 | -0.02 (0.02) .45 | -0.01(0.00) |
| a | Slope \* cardio | 0.02 (0.03) .57 | 0.01 (0.03) .59 | 0.02(0.00) |
| a | Slope \* diabetes | -0.00 (0.03) .89 | -0.00 (0.03) .97 | -0.00(0.00) |
| b | Level | 0.71 (0.01) <.01 | 249.43 (2.86) <.01 | --- |
| b | Slope | -0.01 (0.00) <.01 | -2.68 (0.42) <.01 | --- |
| b | Level \* age | -0.01 (0.00) <.01 | -3.50 (0.12) <.01 | --- |
| b | Level \* education | 0.02 (0.00) <.01 | 5.83 (0.39) <.01 | --- |
| b | Level \* height | 0.00 (0.00) .07 | 1.95 (0.19) <.01 | --- |
| b | Level \* smoking | -0.01 (0.01) .28 | -18.21 (2.35) <.01 | --- |
| b | Level \* cardio | -0.04 (0.01) <.01 | -9.54 (3.02) <.01 | --- |
| b | Level \* diabetes | -0.08 (0.01) <.01 | -11.52 (3.08) <.01 | --- |
| b | Slope \* age | 0.00 (0.00) <.01 | -0.18 (0.02) <.01 | --- |
| b | Slope \* education | 0.00 (0.00) .34 | -0.08 (0.06) .18 | --- |
| b | Slope \* height | 0.00 (0.00) .78 | 0.02 (0.02) .49 | --- |
| b | Slope \* smoking | -0.00 (0.00) .40 | -0.95 (0.30) <.01 | --- |
| b | Slope \* cardio | 0.00 (0.00) .90 | 0.05 (0.41) .91 | --- |
| b | Slope \* diabetes | -0.00 (0.00) .09 | 0.21 (0.42) .62 | --- |
| a | Var (Level) | 18.14 (0.69) <.01 | 18.16 (0.68) <.01 | 18.15(0.01) |
| a | Var (Slope) | 0.05 (0.01) <.01 | 0.05 (0.01) <.01 | 0.05(0.00) |
|  | Var (Residual) | --- | --- | --- |
| b | Var (Level) | 0.02 (0.00) <.01 | 4153.38 (133.23) <.01 | --- |
| b | Var (Slope) | 0.00 (0.00) .06 | 11.23 (2.81) <.01 | --- |
|  | Var (Residual) | --- | --- | --- |
| a | Covar (Level, Slope) | -0.31 (0.08) <.01 | -0.31 (0.08) <.01 | -0.31(0.00) |
| b | Covar (Level, Slope) | -0.00 (0.00) .02 | -21.61 (14.88) .15 | --- |
|  | Correlation of Levels | 0.26 | 0.33 | 0.29(0.05) |
|  | Correlation of Slopes | NaN | 0.58 | 0.58(NA) |
|  | Correlation of Residuals | NA | NA | --- |
|  | N | 4,208 | 4,208 | 4208.00(0.00) |
|  | occasions | 3 | 3 | 3.00(0.00) |
|  | parameters | 41 | 41 | 41.00(0.00) |
|  | LL | -26,979 | -82,168 | -5.457346e+04(3.902456e+04) |
|  | AIC | 54,040 | 164,418 | 1.092289e+05(7.804913e+04) |
|  | BIC | 54,300 | 164,678 | 1.094891e+05(7.804913e+04) |

## gait

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

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | 0.17 (0.03) <.01 |
| ab | Covar (Slopes) | 0.00 (0.00) .82 |
|  | Covar (Residuals) | --- |
| er | Corr (Levels) | 0.26 (0.04) <.01 |
| er | Corr (Slopes) | -0.05 (0.21) .82 |
| er | Corr (Residuals) | 0.10 (0.02) <.01 |
| a | Level | 24.00 (0.21) <.01 |
| a | Slope | -0.45 (0.03) <.01 |
| a | Level \* age | -0.26 (0.01) <.01 |
| a | Level \* education | 0.01 (0.03) .72 |
| a | Level \* height | 0.23 (0.01) <.01 |
| a | Level \* smoking | -0.11 (0.16) .47 |
| a | Level \* cardio | -1.22 (0.20) <.01 |
| a | Level \* diabetes | -1.22 (0.21) <.01 |
| a | Slope \* age | -0.01 (0.00) <.01 |
| a | Slope \* education | 0.00 (0.00) .95 |
| a | Slope \* height | -0.00 (0.00) .26 |
| a | Slope \* smoking | -0.01 (0.02) .52 |
| a | Slope \* cardio | 0.02 (0.03) .57 |
| a | Slope \* diabetes | -0.00 (0.03) .89 |
| b | Level | 0.71 (0.01) <.01 |
| b | Slope | -0.01 (0.00) <.01 |
| b | Level \* age | -0.01 (0.00) <.01 |
| b | Level \* education | 0.02 (0.00) <.01 |
| b | Level \* height | 0.00 (0.00) .07 |
| b | Level \* smoking | -0.01 (0.01) .28 |
| b | Level \* cardio | -0.04 (0.01) <.01 |
| b | Level \* diabetes | -0.08 (0.01) <.01 |
| b | Slope \* age | 0.00 (0.00) <.01 |
| b | Slope \* education | 0.00 (0.00) .34 |
| b | Slope \* height | 0.00 (0.00) .78 |
| b | Slope \* smoking | -0.00 (0.00) .40 |
| b | Slope \* cardio | 0.00 (0.00) .90 |
| b | Slope \* diabetes | -0.00 (0.00) .09 |
| a | Var (Level) | 18.14 (0.69) <.01 |
| a | Var (Slope) | 0.05 (0.01) <.01 |
|  | Var (Residual) | --- |
| b | Var (Level) | 0.02 (0.00) <.01 |
| b | Var (Slope) | 0.00 (0.00) .06 |
|  | Var (Residual) | --- |
| a | Covar (Level, Slope) | -0.31 (0.08) <.01 |
| b | Covar (Level, Slope) | -0.00 (0.00) .02 |
|  | Correlation of Levels | 0.26 |
|  | Correlation of Slopes | NaN |
|  | Correlation of Residuals | NA |
|  | N | 4,208 |
|  | occasions | 3 |
|  | parameters | 41 |
|  | LL | -26,979 |
|  | AIC | 54,040 |
|  | BIC | 54,300 |

## pef

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

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | 89.96 (6.42) <.01 |
| ab | Covar (Slopes) | 0.45 (0.13) <.01 |
|  | Covar (Residuals) | --- |
| er | Corr (Levels) | 0.33 (0.02) <.01 |
| er | Corr (Slopes) | 0.58 (0.17) <.01 |
| er | Corr (Residuals) | 0.06 (0.02) <.01 |
| a | Level | 23.98 (0.21) <.01 |
| a | Slope | -0.45 (0.03) <.01 |
| a | Level \* age | -0.26 (0.01) <.01 |
| a | Level \* education | 0.01 (0.03) .66 |
| a | Level \* height | 0.23 (0.01) <.01 |
| a | Level \* smoking | -0.12 (0.16) .46 |
| a | Level \* cardio | -1.23 (0.20) <.01 |
| a | Level \* diabetes | -1.23 (0.21) <.01 |
| a | Slope \* age | -0.01 (0.00) <.01 |
| a | Slope \* education | 0.00 (0.00) .99 |
| a | Slope \* height | -0.00 (0.00) .34 |
| a | Slope \* smoking | -0.02 (0.02) .45 |
| a | Slope \* cardio | 0.01 (0.03) .59 |
| a | Slope \* diabetes | -0.00 (0.03) .97 |
| b | Level | 249.43 (2.86) <.01 |
| b | Slope | -2.68 (0.42) <.01 |
| b | Level \* age | -3.50 (0.12) <.01 |
| b | Level \* education | 5.83 (0.39) <.01 |
| b | Level \* height | 1.95 (0.19) <.01 |
| b | Level \* smoking | -18.21 (2.35) <.01 |
| b | Level \* cardio | -9.54 (3.02) <.01 |
| b | Level \* diabetes | -11.52 (3.08) <.01 |
| b | Slope \* age | -0.18 (0.02) <.01 |
| b | Slope \* education | -0.08 (0.06) .18 |
| b | Slope \* height | 0.02 (0.02) .49 |
| b | Slope \* smoking | -0.95 (0.30) <.01 |
| b | Slope \* cardio | 0.05 (0.41) .91 |
| b | Slope \* diabetes | 0.21 (0.42) .62 |
| a | Var (Level) | 18.16 (0.68) <.01 |
| a | Var (Slope) | 0.05 (0.01) <.01 |
|  | Var (Residual) | --- |
| b | Var (Level) | 4153.38 (133.23) <.01 |
| b | Var (Slope) | 11.23 (2.81) <.01 |
|  | Var (Residual) | --- |
| a | Covar (Level, Slope) | -0.31 (0.08) <.01 |
| b | Covar (Level, Slope) | -21.61 (14.88) .15 |
|  | Correlation of Levels | 0.33 |
|  | Correlation of Slopes | 0.58 |
|  | Correlation of Residuals | NA |
|  | N | 4,208 |
|  | occasions | 3 |
|  | parameters | 41 |
|  | LL | -82,168 |
|  | AIC | 164,418 |
|  | BIC | 164,678 |

# male

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| process | label | gait | pef | mean(sd) |
| ab | Covar (Levels) | 0.23 (0.05) <.01 | 252.65 (17.89) <.01 | --- |
| ab | Covar (Slopes) | 0.00 (0.00) .30 | 0.61 (0.31) .05 | --- |
|  | Covar (Residuals) | --- | --- | --- |
| er | Corr (Levels) | 0.22 (0.05) <.01 | 0.38 (0.02) <.01 | --- |
| er | Corr (Slopes) | 0.30 (0.30) .32 | 0.34 (0.17) .05 | --- |
| er | Corr (Residuals) | 0.06 (0.04) .07 | 0.07 (0.03) <.01 | --- |
| a | Level | 38.34 (0.39) <.01 | 38.33 (0.39) <.01 | 38.33(0.01) |
| a | Slope | -0.76 (0.06) <.01 | -0.77 (0.06) <.01 | -0.77(0.00) |
| a | Level \* age | -0.43 (0.01) <.01 | -0.43 (0.01) <.01 | -0.43(0.00) |
| a | Level \* education | 0.12 (0.04) <.01 | 0.12 (0.04) <.01 | 0.12(0.00) |
| a | Level \* height | 0.36 (0.02) <.01 | 0.36 (0.02) <.01 | 0.36(0.00) |
| a | Level \* smoking | -0.25 (0.30) .40 | -0.25 (0.30) .40 | -0.25(0.00) |
| a | Level \* cardio | -1.15 (0.32) <.01 | -1.13 (0.32) <.01 | -1.14(0.01) |
| a | Level \* diabetes | -1.60 (0.35) <.01 | -1.60 (0.35) <.01 | -1.60(0.00) |
| a | Slope \* age | -0.01 (0.00) <.01 | -0.01 (0.00) <.01 | -0.01(0.00) |
| a | Slope \* education | 0.01 (0.01) .13 | 0.01 (0.01) .11 | 0.01(0.00) |
| a | Slope \* height | -0.00 (0.00) .06 | -0.00 (0.00) .05 | -0.00(0.00) |
| a | Slope \* smoking | -0.12 (0.04) <.01 | -0.12 (0.04) <.01 | -0.12(0.00) |
| a | Slope \* cardio | 0.00 (0.04) .99 | 0.00 (0.04) .99 | 0.00(0.00) |
| a | Slope \* diabetes | -0.07 (0.05) .16 | -0.07 (0.05) .16 | -0.07(0.00) |
| b | Level | 0.79 (0.01) <.01 | 369.09 (5.97) <.01 | --- |
| b | Slope | -0.02 (0.00) <.01 | -3.36 (0.84) <.01 | --- |
| b | Level \* age | -0.01 (0.00) <.01 | -4.36 (0.22) <.01 | --- |
| b | Level \* education | 0.02 (0.00) <.01 | 7.97 (0.68) <.01 | --- |
| b | Level \* height | 0.00 (0.00) <.01 | 3.41 (0.31) <.01 | --- |
| b | Level \* smoking | -0.02 (0.01) .06 | -25.82 (4.57) <.01 | --- |
| b | Level \* cardio | -0.04 (0.01) <.01 | -19.13 (4.94) <.01 | --- |
| b | Level \* diabetes | -0.03 (0.01) .02 | -7.10 (5.21) .17 | --- |
| b | Slope \* age | 0.00 (0.00) .04 | -0.25 (0.03) <.01 | --- |
| b | Slope \* education | 0.00 (0.00) .02 | 0.00 (0.10) .98 | --- |
| b | Slope \* height | 0.00 (0.00) .72 | 0.03 (0.04) .43 | --- |
| b | Slope \* smoking | 0.00 (0.00) .85 | -0.91 (0.55) .10 | --- |
| b | Slope \* cardio | 0.00 (0.00) .67 | -1.20 (0.64) .06 | --- |
| b | Slope \* diabetes | -0.00 (0.00) .13 | -1.84 (0.67) .01 | --- |
| a | Var (Level) | 41.23 (1.77) <.01 | 41.18 (1.77) <.01 | 41.21(0.04) |
| a | Var (Slope) | 0.15 (0.04) <.01 | 0.15 (0.04) <.01 | 0.15(0.00) |
|  | Var (Residual) | --- | --- | --- |
| b | Var (Level) | 0.03 (0.00) <.01 | 10797.43 (380.28) <.01 | --- |
| b | Var (Slope) | 0.00 (0.00) .24 | 22.37 (7.91) <.01 | --- |
|  | Var (Residual) | --- | --- | --- |
| a | Covar (Level, Slope) | -0.59 (0.20) <.01 | -0.56 (0.20) <.01 | -0.57(0.02) |
| b | Covar (Level, Slope) | -0.00 (0.00) .10 | -40.72 (40.40) .31 | --- |
|  | Correlation of Levels | 0.22 | 0.38 | 0.30(0.11) |
|  | Correlation of Slopes | Inf | 0.33 | Inf(NaN) |
|  | Correlation of Residuals | NA | NA | --- |
|  | N | 3,034 | 3,034 | 3034.00(0.00) |
|  | occasions | 3 | 3 | 3.00(0.00) |
|  | parameters | 41 | 41 | 41.00(0.00) |
|  | LL | -22,109 | -63,442 | -4.277562e+04(2.922732e+04) |
|  | AIC | 44,300 | 126,967 | 8.563324e+04(5.845465e+04) |
|  | BIC | 44,546 | 127,214 | 8.587996e+04(5.845465e+04) |

## gait

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

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | 0.23 (0.05) <.01 |
| ab | Covar (Slopes) | 0.00 (0.00) .30 |
|  | Covar (Residuals) | --- |
| er | Corr (Levels) | 0.22 (0.05) <.01 |
| er | Corr (Slopes) | 0.30 (0.30) .32 |
| er | Corr (Residuals) | 0.06 (0.04) .07 |
| a | Level | 38.34 (0.39) <.01 |
| a | Slope | -0.76 (0.06) <.01 |
| a | Level \* age | -0.43 (0.01) <.01 |
| a | Level \* education | 0.12 (0.04) <.01 |
| a | Level \* height | 0.36 (0.02) <.01 |
| a | Level \* smoking | -0.25 (0.30) .40 |
| a | Level \* cardio | -1.15 (0.32) <.01 |
| a | Level \* diabetes | -1.60 (0.35) <.01 |
| a | Slope \* age | -0.01 (0.00) <.01 |
| a | Slope \* education | 0.01 (0.01) .13 |
| a | Slope \* height | -0.00 (0.00) .06 |
| a | Slope \* smoking | -0.12 (0.04) <.01 |
| a | Slope \* cardio | 0.00 (0.04) .99 |
| a | Slope \* diabetes | -0.07 (0.05) .16 |
| b | Level | 0.79 (0.01) <.01 |
| b | Slope | -0.02 (0.00) <.01 |
| b | Level \* age | -0.01 (0.00) <.01 |
| b | Level \* education | 0.02 (0.00) <.01 |
| b | Level \* height | 0.00 (0.00) <.01 |
| b | Level \* smoking | -0.02 (0.01) .06 |
| b | Level \* cardio | -0.04 (0.01) <.01 |
| b | Level \* diabetes | -0.03 (0.01) .02 |
| b | Slope \* age | 0.00 (0.00) .04 |
| b | Slope \* education | 0.00 (0.00) .02 |
| b | Slope \* height | 0.00 (0.00) .72 |
| b | Slope \* smoking | 0.00 (0.00) .85 |
| b | Slope \* cardio | 0.00 (0.00) .67 |
| b | Slope \* diabetes | -0.00 (0.00) .13 |
| a | Var (Level) | 41.23 (1.77) <.01 |
| a | Var (Slope) | 0.15 (0.04) <.01 |
|  | Var (Residual) | --- |
| b | Var (Level) | 0.03 (0.00) <.01 |
| b | Var (Slope) | 0.00 (0.00) .24 |
|  | Var (Residual) | --- |
| a | Covar (Level, Slope) | -0.59 (0.20) <.01 |
| b | Covar (Level, Slope) | -0.00 (0.00) .10 |
|  | Correlation of Levels | 0.22 |
|  | Correlation of Slopes | Inf |
|  | Correlation of Residuals | NA |
|  | N | 3,034 |
|  | occasions | 3 |
|  | parameters | 41 |
|  | LL | -22,109 |
|  | AIC | 44,300 |
|  | BIC | 44,546 |

## pef

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

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | 252.65 (17.89) <.01 |
| ab | Covar (Slopes) | 0.61 (0.31) .05 |
|  | Covar (Residuals) | --- |
| er | Corr (Levels) | 0.38 (0.02) <.01 |
| er | Corr (Slopes) | 0.34 (0.17) .05 |
| er | Corr (Residuals) | 0.07 (0.03) <.01 |
| a | Level | 38.33 (0.39) <.01 |
| a | Slope | -0.77 (0.06) <.01 |
| a | Level \* age | -0.43 (0.01) <.01 |
| a | Level \* education | 0.12 (0.04) <.01 |
| a | Level \* height | 0.36 (0.02) <.01 |
| a | Level \* smoking | -0.25 (0.30) .40 |
| a | Level \* cardio | -1.13 (0.32) <.01 |
| a | Level \* diabetes | -1.60 (0.35) <.01 |
| a | Slope \* age | -0.01 (0.00) <.01 |
| a | Slope \* education | 0.01 (0.01) .11 |
| a | Slope \* height | -0.00 (0.00) .05 |
| a | Slope \* smoking | -0.12 (0.04) <.01 |
| a | Slope \* cardio | 0.00 (0.04) .99 |
| a | Slope \* diabetes | -0.07 (0.05) .16 |
| b | Level | 369.09 (5.97) <.01 |
| b | Slope | -3.36 (0.84) <.01 |
| b | Level \* age | -4.36 (0.22) <.01 |
| b | Level \* education | 7.97 (0.68) <.01 |
| b | Level \* height | 3.41 (0.31) <.01 |
| b | Level \* smoking | -25.82 (4.57) <.01 |
| b | Level \* cardio | -19.13 (4.94) <.01 |
| b | Level \* diabetes | -7.10 (5.21) .17 |
| b | Slope \* age | -0.25 (0.03) <.01 |
| b | Slope \* education | 0.00 (0.10) .98 |
| b | Slope \* height | 0.03 (0.04) .43 |
| b | Slope \* smoking | -0.91 (0.55) .10 |
| b | Slope \* cardio | -1.20 (0.64) .06 |
| b | Slope \* diabetes | -1.84 (0.67) .01 |
| a | Var (Level) | 41.18 (1.77) <.01 |
| a | Var (Slope) | 0.15 (0.04) <.01 |
|  | Var (Residual) | --- |
| b | Var (Level) | 10797.43 (380.28) <.01 |
| b | Var (Slope) | 22.37 (7.91) <.01 |
|  | Var (Residual) | --- |
| a | Covar (Level, Slope) | -0.56 (0.20) <.01 |
| b | Covar (Level, Slope) | -40.72 (40.40) .31 |
|  | Correlation of Levels | 0.38 |
|  | Correlation of Slopes | 0.33 |
|  | Correlation of Residuals | NA |
|  | N | 3,034 |
|  | occasions | 3 |
|  | parameters | 41 |
|  | LL | -63,442 |
|  | AIC | 126,967 |
|  | BIC | 127,214 |

# pef : Available models

Study **HRS** 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 |
| hrs | female | aehplus | pef | gait | 1 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| study\_name | subgroup | model\_type | process\_a | process\_b | n\_models |
| hrs | 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) | 3.38 (0.39) <.01 | --- |
| ab | Covar (Slopes) | -0.01 (0.01) .27 | --- |
|  | Covar (Residuals) | --- | --- |
| er | Corr (Levels) | 0.34 (0.04) <.01 | --- |
| er | Corr (Slopes) | -0.23 (0.21) .27 | --- |
| er | Corr (Residuals) | 0.13 (0.02) <.01 | --- |
| a | Level | 249.56 (2.86) <.01 | 249.56(NA) |
| a | Slope | -2.69 (0.42) <.01 | -2.69(NA) |
| a | Level \* age | -3.50 (0.12) <.01 | -3.50(NA) |
| a | Level \* education | 5.80 (0.39) <.01 | 5.80(NA) |
| a | Level \* height | 1.95 (0.19) <.01 | 1.95(NA) |
| a | Level \* smoking | -18.25 (2.36) <.01 | -18.25(NA) |
| a | Level \* cardio | -9.56 (3.02) <.01 | -9.56(NA) |
| a | Level \* diabetes | -11.54 (3.08) <.01 | -11.54(NA) |
| a | Slope \* age | -0.18 (0.02) <.01 | -0.18(NA) |
| a | Slope \* education | -0.07 (0.06) .18 | -0.07(NA) |
| a | Slope \* height | 0.02 (0.02) .47 | 0.02(NA) |
| a | Slope \* smoking | -0.93 (0.30) <.01 | -0.93(NA) |
| a | Slope \* cardio | 0.08 (0.41) .84 | 0.08(NA) |
| a | Slope \* diabetes | 0.20 (0.42) .63 | 0.20(NA) |
| b | Level | 0.71 (0.01) <.01 | --- |
| b | Slope | -0.01 (0.00) <.01 | --- |
| b | Level \* age | -0.01 (0.00) <.01 | --- |
| b | Level \* education | 0.02 (0.00) <.01 | --- |
| b | Level \* height | 0.00 (0.00) .06 | --- |
| b | Level \* smoking | -0.01 (0.01) .36 | --- |
| b | Level \* cardio | -0.04 (0.01) <.01 | --- |
| b | Level \* diabetes | -0.08 (0.01) <.01 | --- |
| b | Slope \* age | 0.00 (0.00) <.01 | --- |
| b | Slope \* education | 0.00 (0.00) .28 | --- |
| b | Slope \* height | 0.00 (0.00) .77 | --- |
| b | Slope \* smoking | -0.00 (0.00) .29 | --- |
| b | Slope \* cardio | 0.00 (0.00) .94 | --- |
| b | Slope \* diabetes | -0.00 (0.00) .12 | --- |
| a | Var (Level) | 4149.41 (133.39) <.01 | 4149.41(NA) |
| a | Var (Slope) | 10.82 (2.80) <.01 | 10.82(NA) |
|  | Var (Residual) | --- | --- |
| b | Var (Level) | 0.02 (0.00) <.01 | --- |
| b | Var (Slope) | 0.00 (0.00) .08 | --- |
|  | Var (Residual) | --- | --- |
| a | Covar (Level, Slope) | -20.80 (14.88) .16 | -20.80(NA) |
| b | Covar (Level, Slope) | -0.00 (0.00) .02 | --- |
|  | Correlation of Levels | 0.33 | 0.33(NA) |
|  | Correlation of Slopes | -Inf | -Inf(NA) |
|  | Correlation of Residuals | NA | --- |
|  | N | 4,208 | 4208.00(NA) |
|  | occasions | 3 | 3.00(NA) |
|  | parameters | 41 | 41.00(NA) |
|  | LL | -53,870 | -5.387049e+04(NA) |
|  | AIC | 107,823 | 1.078230e+05(NA) |
|  | BIC | 108,083 | 1.080831e+05(NA) |

## gait

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

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | 3.38 (0.39) <.01 |
| ab | Covar (Slopes) | -0.01 (0.01) .27 |
|  | Covar (Residuals) | --- |
| er | Corr (Levels) | 0.34 (0.04) <.01 |
| er | Corr (Slopes) | -0.23 (0.21) .27 |
| er | Corr (Residuals) | 0.13 (0.02) <.01 |
| a | Level | 249.56 (2.86) <.01 |
| a | Slope | -2.69 (0.42) <.01 |
| a | Level \* age | -3.50 (0.12) <.01 |
| a | Level \* education | 5.80 (0.39) <.01 |
| a | Level \* height | 1.95 (0.19) <.01 |
| a | Level \* smoking | -18.25 (2.36) <.01 |
| a | Level \* cardio | -9.56 (3.02) <.01 |
| a | Level \* diabetes | -11.54 (3.08) <.01 |
| a | Slope \* age | -0.18 (0.02) <.01 |
| a | Slope \* education | -0.07 (0.06) .18 |
| a | Slope \* height | 0.02 (0.02) .47 |
| a | Slope \* smoking | -0.93 (0.30) <.01 |
| a | Slope \* cardio | 0.08 (0.41) .84 |
| a | Slope \* diabetes | 0.20 (0.42) .63 |
| b | Level | 0.71 (0.01) <.01 |
| b | Slope | -0.01 (0.00) <.01 |
| b | Level \* age | -0.01 (0.00) <.01 |
| b | Level \* education | 0.02 (0.00) <.01 |
| b | Level \* height | 0.00 (0.00) .06 |
| b | Level \* smoking | -0.01 (0.01) .36 |
| b | Level \* cardio | -0.04 (0.01) <.01 |
| b | Level \* diabetes | -0.08 (0.01) <.01 |
| b | Slope \* age | 0.00 (0.00) <.01 |
| b | Slope \* education | 0.00 (0.00) .28 |
| b | Slope \* height | 0.00 (0.00) .77 |
| b | Slope \* smoking | -0.00 (0.00) .29 |
| b | Slope \* cardio | 0.00 (0.00) .94 |
| b | Slope \* diabetes | -0.00 (0.00) .12 |
| a | Var (Level) | 4149.41 (133.39) <.01 |
| a | Var (Slope) | 10.82 (2.80) <.01 |
|  | Var (Residual) | --- |
| b | Var (Level) | 0.02 (0.00) <.01 |
| b | Var (Slope) | 0.00 (0.00) .08 |
|  | Var (Residual) | --- |
| a | Covar (Level, Slope) | -20.80 (14.88) .16 |
| b | Covar (Level, Slope) | -0.00 (0.00) .02 |
|  | Correlation of Levels | 0.33 |
|  | Correlation of Slopes | -Inf |
|  | Correlation of Residuals | NA |
|  | N | 4,208 |
|  | occasions | 3 |
|  | parameters | 41 |
|  | LL | -53,870 |
|  | AIC | 107,823 |
|  | BIC | 108,083 |

# male

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

|  |  |  |  |
| --- | --- | --- | --- |
| process | label | gait | mean(sd) |
| ab | Covar (Levels) | 4.54 (0.71) <.01 | --- |
| ab | Covar (Slopes) | 0.00 (0.01) .75 | --- |
|  | Covar (Residuals) | --- | --- |
| er | Corr (Levels) | 0.27 (0.04) <.01 | --- |
| er | Corr (Slopes) | 0.10 (0.32) .75 | --- |
| er | Corr (Residuals) | 0.10 (0.03) <.01 | --- |
| a | Level | 369.38 (5.96) <.01 | 369.38(NA) |
| a | Slope | -3.33 (0.84) <.01 | -3.33(NA) |
| a | Level \* age | -4.35 (0.22) <.01 | -4.35(NA) |
| a | Level \* education | 7.94 (0.68) <.01 | 7.94(NA) |
| a | Level \* height | 3.42 (0.31) <.01 | 3.42(NA) |
| a | Level \* smoking | -25.82 (4.57) <.01 | -25.82(NA) |
| a | Level \* cardio | -19.36 (4.94) <.01 | -19.36(NA) |
| a | Level \* diabetes | -7.22 (5.21) .17 | -7.22(NA) |
| a | Slope \* age | -0.24 (0.03) <.01 | -0.24(NA) |
| a | Slope \* education | 0.00 (0.10) .98 | 0.00(NA) |
| a | Slope \* height | 0.03 (0.04) .36 | 0.03(NA) |
| a | Slope \* smoking | -0.94 (0.55) .09 | -0.94(NA) |
| a | Slope \* cardio | -1.21 (0.64) .06 | -1.21(NA) |
| a | Slope \* diabetes | -1.84 (0.67) .01 | -1.84(NA) |
| b | Level | 0.79 (0.01) <.01 | --- |
| b | Slope | -0.02 (0.00) <.01 | --- |
| b | Level \* age | -0.01 (0.00) <.01 | --- |
| b | Level \* education | 0.02 (0.00) <.01 | --- |
| b | Level \* height | 0.00 (0.00) <.01 | --- |
| b | Level \* smoking | -0.02 (0.01) .07 | --- |
| b | Level \* cardio | -0.04 (0.01) <.01 | --- |
| b | Level \* diabetes | -0.03 (0.01) .02 | --- |
| b | Slope \* age | 0.00 (0.00) .05 | --- |
| b | Slope \* education | 0.00 (0.00) .02 | --- |
| b | Slope \* height | 0.00 (0.00) .62 | --- |
| b | Slope \* smoking | 0.00 (0.00) .94 | --- |
| b | Slope \* cardio | 0.00 (0.00) .73 | --- |
| b | Slope \* diabetes | -0.00 (0.00) .13 | --- |
| a | Var (Level) | 10790.23 (380.12) <.01 | 10790.23(NA) |
| a | Var (Slope) | 22.74 (7.96) <.01 | 22.74(NA) |
|  | Var (Residual) | --- | --- |
| b | Var (Level) | 0.03 (0.00) <.01 | --- |
| b | Var (Slope) | 0.00 (0.00) .28 | --- |
|  | Var (Residual) | --- | --- |
| a | Covar (Level, Slope) | -44.24 (40.55) .28 | -44.24(NA) |
| b | Covar (Level, Slope) | -0.00 (0.00) .11 | --- |
|  | Correlation of Levels | 0.27 | 0.27(NA) |
|  | Correlation of Slopes | Inf | Inf(NA) |
|  | Correlation of Residuals | NA | --- |
|  | N | 3,034 | 3034.00(NA) |
|  | occasions | 3 | 3.00(NA) |
|  | parameters | 41 | 41.00(NA) |
|  | LL | -40,753 | -4.075349e+04(NA) |
|  | AIC | 81,589 | 8.158899e+04(NA) |
|  | BIC | 81,836 | 8.183571e+04(NA) |

## gait

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

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | 4.54 (0.71) <.01 |
| ab | Covar (Slopes) | 0.00 (0.01) .75 |
|  | Covar (Residuals) | --- |
| er | Corr (Levels) | 0.27 (0.04) <.01 |
| er | Corr (Slopes) | 0.10 (0.32) .75 |
| er | Corr (Residuals) | 0.10 (0.03) <.01 |
| a | Level | 369.38 (5.96) <.01 |
| a | Slope | -3.33 (0.84) <.01 |
| a | Level \* age | -4.35 (0.22) <.01 |
| a | Level \* education | 7.94 (0.68) <.01 |
| a | Level \* height | 3.42 (0.31) <.01 |
| a | Level \* smoking | -25.82 (4.57) <.01 |
| a | Level \* cardio | -19.36 (4.94) <.01 |
| a | Level \* diabetes | -7.22 (5.21) .17 |
| a | Slope \* age | -0.24 (0.03) <.01 |
| a | Slope \* education | 0.00 (0.10) .98 |
| a | Slope \* height | 0.03 (0.04) .36 |
| a | Slope \* smoking | -0.94 (0.55) .09 |
| a | Slope \* cardio | -1.21 (0.64) .06 |
| a | Slope \* diabetes | -1.84 (0.67) .01 |
| b | Level | 0.79 (0.01) <.01 |
| b | Slope | -0.02 (0.00) <.01 |
| b | Level \* age | -0.01 (0.00) <.01 |
| b | Level \* education | 0.02 (0.00) <.01 |
| b | Level \* height | 0.00 (0.00) <.01 |
| b | Level \* smoking | -0.02 (0.01) .07 |
| b | Level \* cardio | -0.04 (0.01) <.01 |
| b | Level \* diabetes | -0.03 (0.01) .02 |
| b | Slope \* age | 0.00 (0.00) .05 |
| b | Slope \* education | 0.00 (0.00) .02 |
| b | Slope \* height | 0.00 (0.00) .62 |
| b | Slope \* smoking | 0.00 (0.00) .94 |
| b | Slope \* cardio | 0.00 (0.00) .73 |
| b | Slope \* diabetes | -0.00 (0.00) .13 |
| a | Var (Level) | 10790.23 (380.12) <.01 |
| a | Var (Slope) | 22.74 (7.96) <.01 |
|  | Var (Residual) | --- |
| b | Var (Level) | 0.03 (0.00) <.01 |
| b | Var (Slope) | 0.00 (0.00) .28 |
|  | Var (Residual) | --- |
| a | Covar (Level, Slope) | -44.24 (40.55) .28 |
| b | Covar (Level, Slope) | -0.00 (0.00) .11 |
|  | Correlation of Levels | 0.27 |
|  | Correlation of Slopes | Inf |
|  | Correlation of Residuals | NA |
|  | N | 3,034 |
|  | occasions | 3 |
|  | parameters | 41 |
|  | LL | -40,753 |
|  | AIC | 81,589 |
|  | BIC | 81,836 |

#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