OCTO : Seed Report

Date: 2016-12-05

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

# Available models

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

|  |  |  |
| --- | --- | --- |
| process\_a | process\_b | n\_models |
| gait | block | 2 |
| gait | digit\_b | 2 |
| gait | digit\_f | 2 |
| gait | prose\_im | 1 |
| gait | symbol | 2 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| study\_name | subgroup | model\_type | process\_a | process\_b | n\_models |
| octo | female | aehplus | gait | block | 1 |
| octo | female | aehplus | gait | digit\_b | 1 |
| octo | female | aehplus | gait | digit\_f | 1 |
| octo | female | aehplus | gait | prose\_im | 1 |
| octo | female | aehplus | gait | symbol | 1 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| study\_name | subgroup | model\_type | process\_a | process\_b | n\_models |
| octo | male | aehplus | gait | block | 1 |
| octo | male | aehplus | gait | digit\_b | 1 |
| octo | male | aehplus | gait | digit\_f | 1 |
| octo | male | aehplus | gait | symbol | 1 |

# female

Gender = *female*; Model type: *aehplus*; Process (a) = *gait*; Process (b): *block*, *digit\_b*, *digit\_f*, *prose\_im*, *symbol*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| process | label | block | digit\_b | digit\_f | prose\_im | symbol | mean(sd) |
| ab | Covar (Levels) | -8.52 (2.94) <.01 | -0.77 (0.31) .01 | -0.28 (0.22) .20 | -1.34 (1.07) .21 | -10.78 (5.25) .04 | --- |
| ab | Covar (Slopes) | -0.21 (0.61) .74 | 0.01 (0.04) .75 | -0.01 (0.01) .28 | -0.07 (0.10) .43 | -0.26 (0.66) .69 | --- |
| ab | Covar (Residuals) | -1.66 (0.65) .01 | 0.11 (0.21) .59 | -0.10 (0.09) .25 | -0.40 (0.24) .10 | -2.12 (1.57) .18 | --- |
| er | Corr (Levels) | -0.43 (0.12) <.01 | -0.30 (0.10) <.01 | -0.11 (0.08) .18 | -0.14 (0.12) .24 | -0.37 (0.14) .01 | --- |
| er | Corr (Slopes) | -0.49 (0.61) .42 | 0.23 (0.45) .60 | -0.12 (0.18) .50 | -0.23 (0.08) <.01 | -0.41 (0.46) .37 | --- |
| er | Corr (Residuals) | -0.15 (0.05) <.01 | 0.03 (0.06) .58 | -0.04 (0.04) .27 | -0.06 (0.04) .11 | -0.12 (0.08) .15 | --- |
| a | Level | 10.26 (0.45) <.01 | 10.27 (0.45) <.01 | 10.29 (0.46) <.01 | 10.31 (0.46) <.01 | 10.26 (0.48) <.01 | 10.28(0.02) |
| a | Slope | 0.52 (0.36) .15 | 0.55 (0.43) .20 | 0.53 (0.40) .19 | 0.56 (0.36) .12 | 0.51 (0.28) .07 | 0.54(0.02) |
| a | Level \* age | 0.33 (0.09) <.01 | 0.32 (0.09) <.01 | 0.32 (0.09) <.01 | 0.31 (0.09) <.01 | 0.33 (0.09) <.01 | 0.32(0.01) |
| a | Level \* education | -0.30 (0.13) .02 | -0.31 (0.12) .01 | -0.31 (0.12) .01 | -0.32 (0.13) .01 | -0.31 (0.13) .01 | -0.31(0.00) |
| a | Level \* height | -0.04 (0.05) .40 | -0.04 (0.05) .43 | -0.04 (0.05) .42 | -0.04 (0.05) .40 | -0.04 (0.05) .39 | -0.04(0.00) |
| a | Level \* smoking | 0.04 (0.73) .95 | 0.03 (0.74) .96 | 0.04 (0.74) .96 | 0.05 (0.75) .95 | 0.02 (0.76) .97 | 0.04(0.01) |
| a | Level \* cardio | 0.78 (0.51) .13 | 0.73 (0.51) .15 | 0.71 (0.51) .16 | 0.71 (0.52) .17 | 0.76 (0.53) .15 | 0.74(0.03) |
| a | Level \* diabetes | 1.50 (1.43) .29 | 1.56 (1.44) .28 | 1.61 (1.46) .27 | 1.64 (1.37) .23 | 1.61 (1.45) .27 | 1.58(0.05) |
| a | Slope \* age | 0.01 (0.06) .91 | -0.01 (0.05) .86 | -0.01 (0.05) .91 | -0.01 (0.04) .86 | -0.01 (0.06) .89 | -0.00(0.01) |
| a | Slope \* education | -0.03 (0.06) .65 | -0.03 (0.06) .66 | -0.03 (0.06) .66 | -0.03 (0.05) .57 | -0.03 (0.05) .59 | -0.03(0.00) |
| a | Slope \* height | 0.01 (0.03) .73 | 0.01 (0.03) .74 | 0.01 (0.03) .76 | 0.01 (0.02) .62 | 0.01 (0.03) .78 | 0.01(0.00) |
| a | Slope \* smoking | 0.08 (0.21) .71 | 0.06 (0.23) .80 | 0.05 (0.21) .80 | 0.04 (0.18) .84 | 0.08 (0.15) .62 | 0.06(0.02) |
| a | Slope \* cardio | -0.17 (0.21) .43 | -0.20 (0.25) .42 | -0.21 (0.24) .39 | -0.20 (0.23) .38 | -0.17 (0.24) .48 | -0.19(0.02) |
| a | Slope \* diabetes | 0.98 (0.96) .31 | 1.03 (1.05) .32 | 1.03 (1.05) .33 | 1.12 (1.00) .27 | 0.95 (0.79) .23 | 1.02(0.06) |
| b | Level | 14.65 (0.78) <.01 | 3.86 (0.13) <.01 | 5.68 (0.12) <.01 | 11.15 (0.40) <.01 | 28.23 (1.19) <.01 | --- |
| b | Slope | -0.22 (0.12) .07 | -0.09 (0.03) <.01 | -0.08 (0.02) <.01 | -0.04 (0.07) .55 | -0.13 (0.20) .50 | --- |
| b | Level \* age | -0.61 (0.14) <.01 | -0.10 (0.02) <.01 | -0.08 (0.02) <.01 | -0.25 (0.08) <.01 | -0.81 (0.27) <.01 | --- |
| b | Level \* education | 0.78 (0.19) <.01 | 0.12 (0.04) <.01 | 0.14 (0.03) <.01 | 0.47 (0.10) <.01 | 1.75 (0.38) <.01 | --- |
| b | Level \* height | -0.02 (0.07) .73 | -0.00 (0.01) .76 | 0.01 (0.01) .44 | 0.01 (0.04) .72 | 0.07 (0.12) .54 | --- |
| b | Level \* smoking | -1.21 (0.95) .20 | -0.33 (0.19) .09 | -0.15 (0.14) .29 | 0.22 (0.49) .66 | -0.74 (1.72) .66 | --- |
| b | Level \* cardio | -0.03 (0.82) .97 | 0.06 (0.14) .70 | 0.05 (0.12) .68 | 0.23 (0.43) .59 | 1.24 (1.29) .34 | --- |
| b | Level \* diabetes | 0.99 (2.46) .69 | -0.09 (0.30) .76 | 0.09 (0.26) .74 | -1.76 (1.15) .12 | -3.06 (3.35) .36 | --- |
| b | Slope \* age | -0.00 (0.03) .92 | 0.01 (0.01) .11 | 0.00 (0.00) .42 | 0.02 (0.02) .16 | -0.01 (0.05) .85 | --- |
| b | Slope \* education | -0.04 (0.03) .26 | 0.00 (0.01) .98 | -0.01 (0.00) .02 | -0.05 (0.02) .02 | -0.04 (0.06) .52 | --- |
| b | Slope \* height | 0.01 (0.01) .18 | 0.00 (0.00) .67 | -0.00 (0.00) .32 | 0.01 (0.01) .46 | 0.01 (0.02) .54 | --- |
| b | Slope \* smoking | 0.01 (0.15) .94 | 0.05 (0.03) .10 | 0.04 (0.03) .11 | -0.09 (0.10) .34 | -0.39 (0.28) .17 | --- |
| b | Slope \* cardio | -0.14 (0.13) .26 | -0.03 (0.03) .25 | -0.00 (0.02) .86 | -0.07 (0.09) .41 | -0.74 (0.20) <.01 | --- |
| b | Slope \* diabetes | -0.04 (0.26) .88 | 0.04 (0.06) .47 | -0.00 (0.05) .92 | 0.10 (0.20) .62 | 1.38 (0.49) <.01 | --- |
| a | Var (Level) | 11.95 (2.44) <.01 | 11.87 (2.43) <.01 | 12.05 (2.45) <.01 | 11.94 (3.07) <.01 | 12.17 (4.16) <.01 | 12.00(0.12) |
| a | Var (Slope) | 0.98 (2.78) .72 | 1.17 (3.53) .74 | 1.01 (2.96) .73 | 1.32 (2.71) .62 | 0.86 (2.28) .71 | 1.07(0.18) |
| a | Var (Residual) | 11.36 (3.05) <.01 | 11.01 (3.27) <.01 | 11.25 (3.24) <.01 | 10.69 (2.76) <.01 | 11.52 (2.48) <.01 | 11.17(0.33) |
| b | Var (Level) | 32.44 (4.05) <.01 | 0.53 (0.14) <.01 | 0.55 (0.07) <.01 | 7.87 (1.01) <.01 | 70.95 (9.38) <.01 | --- |
| b | Var (Slope) | 0.18 (0.16) .26 | 0.00 (0.00) .59 | 0.01 (0.00) .05 | 0.08 (0.03) <.01 | 0.47 (0.24) .05 | --- |
| b | Var (Residual) | 10.94 (0.83) <.01 | 1.17 (0.10) <.01 | 0.61 (0.04) <.01 | 4.28 (0.37) <.01 | 27.76 (2.47) <.01 | --- |
| a | Covar (Level, Slope) | 3.25 (4.82) .50 | 3.46 (5.38) .52 | 3.26 (5.07) .52 | 3.46 (4.21) .41 | 3.12 (3.65) .39 | 3.31(0.15) |
| b | Covar (Level, Slope) | -0.44 (0.83) .60 | -0.02 (0.02) .42 | -0.04 (0.01) .01 | -0.40 (0.14) <.01 | -1.49 (1.10) .18 | --- |
|  | Correlation of Levels | -0.43 | -0.305 | -0.11 | -0.138 | -0.37 | -0.27(0.14) |
|  | Correlation of Slopes | -0.49 | 0.248 | -0.12 | -0.225 | -0.41 | -0.20(0.29) |
|  | Correlation of Residuals | -0.15 | 0.031 | -0.04 | -0.059 | -0.12 | -0.07(0.07) |
|  | N | 272 | 275 | 275 | 268 | 265 | 271.00(4.42) |
|  | occasions | 5 | 5 | 5 | 5 | 5 | 5.00(0.00) |
|  | parameters | 41 | 41 | 41 | 41 | 41 | 41.00(0.00) |
|  | LL | -4,810 | -3,890 | -3,645 | -4,301 | -4,828 | -4,295( 533) |
|  | AIC | 9,701 | 7,863 | 7,372 | 8,684 | 9,738 | 8,671(1,065) |
|  | BIC | 9,849 | 8,011 | 7,520 | 8,831 | 9,884 | 8,819(1,065) |

## block

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

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | -8.52 (2.94) <.01 |
| ab | Covar (Slopes) | -0.21 (0.61) .74 |
| ab | Covar (Residuals) | -1.66 (0.65) .01 |
| er | Corr (Levels) | -0.43 (0.12) <.01 |
| er | Corr (Slopes) | -0.49 (0.61) .42 |
| er | Corr (Residuals) | -0.15 (0.05) <.01 |
| a | Level | 10.26 (0.45) <.01 |
| a | Slope | 0.52 (0.36) .15 |
| a | Level \* age | 0.33 (0.09) <.01 |
| a | Level \* education | -0.30 (0.13) .02 |
| a | Level \* height | -0.04 (0.05) .40 |
| a | Level \* smoking | 0.04 (0.73) .95 |
| a | Level \* cardio | 0.78 (0.51) .13 |
| a | Level \* diabetes | 1.50 (1.43) .29 |
| a | Slope \* age | 0.01 (0.06) .91 |
| a | Slope \* education | -0.03 (0.06) .65 |
| a | Slope \* height | 0.01 (0.03) .73 |
| a | Slope \* smoking | 0.08 (0.21) .71 |
| a | Slope \* cardio | -0.17 (0.21) .43 |
| a | Slope \* diabetes | 0.98 (0.96) .31 |
| b | Level | 14.65 (0.78) <.01 |
| b | Slope | -0.22 (0.12) .07 |
| b | Level \* age | -0.61 (0.14) <.01 |
| b | Level \* education | 0.78 (0.19) <.01 |
| b | Level \* height | -0.02 (0.07) .73 |
| b | Level \* smoking | -1.21 (0.95) .20 |
| b | Level \* cardio | -0.03 (0.82) .97 |
| b | Level \* diabetes | 0.99 (2.46) .69 |
| b | Slope \* age | -0.00 (0.03) .92 |
| b | Slope \* education | -0.04 (0.03) .26 |
| b | Slope \* height | 0.01 (0.01) .18 |
| b | Slope \* smoking | 0.01 (0.15) .94 |
| b | Slope \* cardio | -0.14 (0.13) .26 |
| b | Slope \* diabetes | -0.04 (0.26) .88 |
| a | Var (Level) | 11.95 (2.44) <.01 |
| a | Var (Slope) | 0.98 (2.78) .72 |
| a | Var (Residual) | 11.36 (3.05) <.01 |
| b | Var (Level) | 32.44 (4.05) <.01 |
| b | Var (Slope) | 0.18 (0.16) .26 |
| b | Var (Residual) | 10.94 (0.83) <.01 |
| a | Covar (Level, Slope) | 3.25 (4.82) .50 |
| b | Covar (Level, Slope) | -0.44 (0.83) .60 |
|  | Correlation of Levels | -0.43 |
|  | Correlation of Slopes | -0.49 |
|  | Correlation of Residuals | -0.15 |
|  | N | 272 |
|  | occasions | 5 |
|  | parameters | 41 |
|  | LL | -4,810 |
|  | AIC | 9,701 |
|  | BIC | 9,849 |

## digit\_b

Gender = *female*; Process (a) = *gait*; Process (b) = *digit\_b*

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | -0.77 (0.31) .01 |
| ab | Covar (Slopes) | 0.01 (0.04) .75 |
| ab | Covar (Residuals) | 0.11 (0.21) .59 |
| er | Corr (Levels) | -0.30 (0.10) <.01 |
| er | Corr (Slopes) | 0.23 (0.45) .60 |
| er | Corr (Residuals) | 0.03 (0.06) .58 |
| a | Level | 10.27 (0.45) <.01 |
| a | Slope | 0.55 (0.43) .20 |
| a | Level \* age | 0.32 (0.09) <.01 |
| a | Level \* education | -0.31 (0.12) .01 |
| a | Level \* height | -0.04 (0.05) .43 |
| a | Level \* smoking | 0.03 (0.74) .96 |
| a | Level \* cardio | 0.73 (0.51) .15 |
| a | Level \* diabetes | 1.56 (1.44) .28 |
| a | Slope \* age | -0.01 (0.05) .86 |
| a | Slope \* education | -0.03 (0.06) .66 |
| a | Slope \* height | 0.01 (0.03) .74 |
| a | Slope \* smoking | 0.06 (0.23) .80 |
| a | Slope \* cardio | -0.20 (0.25) .42 |
| a | Slope \* diabetes | 1.03 (1.05) .32 |
| b | Level | 3.86 (0.13) <.01 |
| b | Slope | -0.09 (0.03) <.01 |
| b | Level \* age | -0.10 (0.02) <.01 |
| b | Level \* education | 0.12 (0.04) <.01 |
| b | Level \* height | -0.00 (0.01) .76 |
| b | Level \* smoking | -0.33 (0.19) .09 |
| b | Level \* cardio | 0.06 (0.14) .70 |
| b | Level \* diabetes | -0.09 (0.30) .76 |
| b | Slope \* age | 0.01 (0.01) .11 |
| b | Slope \* education | 0.00 (0.01) .98 |
| b | Slope \* height | 0.00 (0.00) .67 |
| b | Slope \* smoking | 0.05 (0.03) .10 |
| b | Slope \* cardio | -0.03 (0.03) .25 |
| b | Slope \* diabetes | 0.04 (0.06) .47 |
| a | Var (Level) | 11.87 (2.43) <.01 |
| a | Var (Slope) | 1.17 (3.53) .74 |
| a | Var (Residual) | 11.01 (3.27) <.01 |
| b | Var (Level) | 0.53 (0.14) <.01 |
| b | Var (Slope) | 0.00 (0.00) .59 |
| b | Var (Residual) | 1.17 (0.10) <.01 |
| a | Covar (Level, Slope) | 3.46 (5.38) .52 |
| b | Covar (Level, Slope) | -0.02 (0.02) .42 |
|  | Correlation of Levels | -0.305 |
|  | Correlation of Slopes | 0.248 |
|  | Correlation of Residuals | 0.031 |
|  | N | 275 |
|  | occasions | 5 |
|  | parameters | 41 |
|  | LL | -3,890 |
|  | AIC | 7,863 |
|  | BIC | 8,011 |

## digit\_f

Gender = *female*; Process (a) = *gait*; Process (b) = *digit\_f*

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | -0.28 (0.22) .20 |
| ab | Covar (Slopes) | -0.01 (0.01) .28 |
| ab | Covar (Residuals) | -0.10 (0.09) .25 |
| er | Corr (Levels) | -0.11 (0.08) .18 |
| er | Corr (Slopes) | -0.12 (0.18) .50 |
| er | Corr (Residuals) | -0.04 (0.04) .27 |
| a | Level | 10.29 (0.46) <.01 |
| a | Slope | 0.53 (0.40) .19 |
| a | Level \* age | 0.32 (0.09) <.01 |
| a | Level \* education | -0.31 (0.12) .01 |
| a | Level \* height | -0.04 (0.05) .42 |
| a | Level \* smoking | 0.04 (0.74) .96 |
| a | Level \* cardio | 0.71 (0.51) .16 |
| a | Level \* diabetes | 1.61 (1.46) .27 |
| a | Slope \* age | -0.01 (0.05) .91 |
| a | Slope \* education | -0.03 (0.06) .66 |
| a | Slope \* height | 0.01 (0.03) .76 |
| a | Slope \* smoking | 0.05 (0.21) .80 |
| a | Slope \* cardio | -0.21 (0.24) .39 |
| a | Slope \* diabetes | 1.03 (1.05) .33 |
| b | Level | 5.68 (0.12) <.01 |
| b | Slope | -0.08 (0.02) <.01 |
| b | Level \* age | -0.08 (0.02) <.01 |
| b | Level \* education | 0.14 (0.03) <.01 |
| b | Level \* height | 0.01 (0.01) .44 |
| b | Level \* smoking | -0.15 (0.14) .29 |
| b | Level \* cardio | 0.05 (0.12) .68 |
| b | Level \* diabetes | 0.09 (0.26) .74 |
| b | Slope \* age | 0.00 (0.00) .42 |
| b | Slope \* education | -0.01 (0.00) .02 |
| b | Slope \* height | -0.00 (0.00) .32 |
| b | Slope \* smoking | 0.04 (0.03) .11 |
| b | Slope \* cardio | -0.00 (0.02) .86 |
| b | Slope \* diabetes | -0.00 (0.05) .92 |
| a | Var (Level) | 12.05 (2.45) <.01 |
| a | Var (Slope) | 1.01 (2.96) .73 |
| a | Var (Residual) | 11.25 (3.24) <.01 |
| b | Var (Level) | 0.55 (0.07) <.01 |
| b | Var (Slope) | 0.01 (0.00) .05 |
| b | Var (Residual) | 0.61 (0.04) <.01 |
| a | Covar (Level, Slope) | 3.26 (5.07) .52 |
| b | Covar (Level, Slope) | -0.04 (0.01) .01 |
|  | Correlation of Levels | -0.11 |
|  | Correlation of Slopes | -0.12 |
|  | Correlation of Residuals | -0.04 |
|  | N | 275 |
|  | occasions | 5 |
|  | parameters | 41 |
|  | LL | -3,645 |
|  | AIC | 7,372 |
|  | BIC | 7,520 |

## prose\_im

Gender = *female*; Process (a) = *gait*; Process (b) = *prose\_im*

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | -1.34 (1.07) .21 |
| ab | Covar (Slopes) | -0.07 (0.10) .43 |
| ab | Covar (Residuals) | -0.40 (0.24) .10 |
| er | Corr (Levels) | -0.14 (0.12) .24 |
| er | Corr (Slopes) | -0.23 (0.08) <.01 |
| er | Corr (Residuals) | -0.06 (0.04) .11 |
| a | Level | 10.31 (0.46) <.01 |
| a | Slope | 0.56 (0.36) .12 |
| a | Level \* age | 0.31 (0.09) <.01 |
| a | Level \* education | -0.32 (0.13) .01 |
| a | Level \* height | -0.04 (0.05) .40 |
| a | Level \* smoking | 0.05 (0.75) .95 |
| a | Level \* cardio | 0.71 (0.52) .17 |
| a | Level \* diabetes | 1.64 (1.37) .23 |
| a | Slope \* age | -0.01 (0.04) .86 |
| a | Slope \* education | -0.03 (0.05) .57 |
| a | Slope \* height | 0.01 (0.02) .62 |
| a | Slope \* smoking | 0.04 (0.18) .84 |
| a | Slope \* cardio | -0.20 (0.23) .38 |
| a | Slope \* diabetes | 1.12 (1.00) .27 |
| b | Level | 11.15 (0.40) <.01 |
| b | Slope | -0.04 (0.07) .55 |
| b | Level \* age | -0.25 (0.08) <.01 |
| b | Level \* education | 0.47 (0.10) <.01 |
| b | Level \* height | 0.01 (0.04) .72 |
| b | Level \* smoking | 0.22 (0.49) .66 |
| b | Level \* cardio | 0.23 (0.43) .59 |
| b | Level \* diabetes | -1.76 (1.15) .12 |
| b | Slope \* age | 0.02 (0.02) .16 |
| b | Slope \* education | -0.05 (0.02) .02 |
| b | Slope \* height | 0.01 (0.01) .46 |
| b | Slope \* smoking | -0.09 (0.10) .34 |
| b | Slope \* cardio | -0.07 (0.09) .41 |
| b | Slope \* diabetes | 0.10 (0.20) .62 |
| a | Var (Level) | 11.94 (3.07) <.01 |
| a | Var (Slope) | 1.32 (2.71) .62 |
| a | Var (Residual) | 10.69 (2.76) <.01 |
| b | Var (Level) | 7.87 (1.01) <.01 |
| b | Var (Slope) | 0.08 (0.03) <.01 |
| b | Var (Residual) | 4.28 (0.37) <.01 |
| a | Covar (Level, Slope) | 3.46 (4.21) .41 |
| b | Covar (Level, Slope) | -0.40 (0.14) <.01 |
|  | Correlation of Levels | -0.138 |
|  | Correlation of Slopes | -0.225 |
|  | Correlation of Residuals | -0.059 |
|  | N | 268 |
|  | occasions | 5 |
|  | parameters | 41 |
|  | LL | -4,301 |
|  | AIC | 8,684 |
|  | BIC | 8,831 |

## symbol

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

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | -10.78 (5.25) .04 |
| ab | Covar (Slopes) | -0.26 (0.66) .69 |
| ab | Covar (Residuals) | -2.12 (1.57) .18 |
| er | Corr (Levels) | -0.37 (0.14) .01 |
| er | Corr (Slopes) | -0.41 (0.46) .37 |
| er | Corr (Residuals) | -0.12 (0.08) .15 |
| a | Level | 10.26 (0.48) <.01 |
| a | Slope | 0.51 (0.28) .07 |
| a | Level \* age | 0.33 (0.09) <.01 |
| a | Level \* education | -0.31 (0.13) .01 |
| a | Level \* height | -0.04 (0.05) .39 |
| a | Level \* smoking | 0.02 (0.76) .97 |
| a | Level \* cardio | 0.76 (0.53) .15 |
| a | Level \* diabetes | 1.61 (1.45) .27 |
| a | Slope \* age | -0.01 (0.06) .89 |
| a | Slope \* education | -0.03 (0.05) .59 |
| a | Slope \* height | 0.01 (0.03) .78 |
| a | Slope \* smoking | 0.08 (0.15) .62 |
| a | Slope \* cardio | -0.17 (0.24) .48 |
| a | Slope \* diabetes | 0.95 (0.79) .23 |
| b | Level | 28.23 (1.19) <.01 |
| b | Slope | -0.13 (0.20) .50 |
| b | Level \* age | -0.81 (0.27) <.01 |
| b | Level \* education | 1.75 (0.38) <.01 |
| b | Level \* height | 0.07 (0.12) .54 |
| b | Level \* smoking | -0.74 (1.72) .66 |
| b | Level \* cardio | 1.24 (1.29) .34 |
| b | Level \* diabetes | -3.06 (3.35) .36 |
| b | Slope \* age | -0.01 (0.05) .85 |
| b | Slope \* education | -0.04 (0.06) .52 |
| b | Slope \* height | 0.01 (0.02) .54 |
| b | Slope \* smoking | -0.39 (0.28) .17 |
| b | Slope \* cardio | -0.74 (0.20) <.01 |
| b | Slope \* diabetes | 1.38 (0.49) <.01 |
| a | Var (Level) | 12.17 (4.16) <.01 |
| a | Var (Slope) | 0.86 (2.28) .71 |
| a | Var (Residual) | 11.52 (2.48) <.01 |
| b | Var (Level) | 70.95 (9.38) <.01 |
| b | Var (Slope) | 0.47 (0.24) .05 |
| b | Var (Residual) | 27.76 (2.47) <.01 |
| a | Covar (Level, Slope) | 3.12 (3.65) .39 |
| b | Covar (Level, Slope) | -1.49 (1.10) .18 |
|  | Correlation of Levels | -0.37 |
|  | Correlation of Slopes | -0.41 |
|  | Correlation of Residuals | -0.12 |
|  | N | 265 |
|  | occasions | 5 |
|  | parameters | 41 |
|  | LL | -4,828 |
|  | AIC | 9,738 |
|  | BIC | 9,884 |

## Summary

Study = *OCTO*; Gender = *female*; Process (a) = *gait*

Computed correlations:

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Correlation of Levels | block | -0.43 |
| Correlation of Levels | digit\_b | -0.30 |
| Correlation of Levels | digit\_f | -0.11 |
| Correlation of Levels | prose\_im | -0.14 |
| Correlation of Levels | symbol | -0.37 |

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Correlation of Slopes | block | -0.49 |
| Correlation of Slopes | digit\_b | 0.25 |
| Correlation of Slopes | digit\_f | -0.12 |
| Correlation of Slopes | prose\_im | -0.23 |
| Correlation of Slopes | symbol | -0.41 |

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Correlation of Residuals | block | -0.15 |
| Correlation of Residuals | digit\_b | 0.03 |
| Correlation of Residuals | digit\_f | -0.04 |
| Correlation of Residuals | prose\_im | -0.06 |
| Correlation of Residuals | symbol | -0.12 |

P-values for corresponding covariances:

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Covariance of Levels | block | 0.00 |
| Covariance of Levels | digit\_b | 0.01 |
| Covariance of Levels | digit\_f | 0.20 |
| Covariance of Levels | prose\_im | 0.21 |
| Covariance of Levels | symbol | 0.04 |

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Covariance of Slopes | block | 0.74 |
| Covariance of Slopes | digit\_b | 0.75 |
| Covariance of Slopes | digit\_f | 0.28 |
| Covariance of Slopes | prose\_im | 0.43 |
| Covariance of Slopes | symbol | 0.69 |

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Covariance of Residuals | block | 0.01 |
| Covariance of Residuals | digit\_b | 0.59 |
| Covariance of Residuals | digit\_f | 0.25 |
| Covariance of Residuals | prose\_im | 0.10 |
| Covariance of Residuals | symbol | 0.18 |

# male

Gender = *male*; Model type: *aehplus*; Process (a) = *gait*; Process (b): *block*, *digit\_b*, *digit\_f*, *symbol*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| process | label | block | digit\_b | digit\_f | symbol | mean(sd) |
| ab | Covar (Levels) | -4.56 (1.84) .01 | -0.46 (0.45) .31 | -0.31 (0.31) .31 | -7.59 (2.84) .01 | --- |
| ab | Covar (Slopes) | -0.04 (0.09) .68 | -0.02 (0.03) .45 | -0.01 (0.01) .34 | 0.00 (0.11) .99 | --- |
| ab | Covar (Residuals) | -0.78 (0.73) .28 | -0.11 (0.27) .69 | -0.10 (0.13) .41 | -2.51 (1.18) .03 | --- |
| er | Corr (Levels) | -0.40 (0.13) <.01 | -0.22 (0.20) .29 | -0.17 (0.17) .31 | -0.46 (0.14) <.01 | --- |
| er | Corr (Slopes) | -0.73 (2.42) .76 | -0.59 (0.86) .50 | -0.56 (0.64) .39 | 0.00 (0.98) .99 | --- |
| er | Corr (Residuals) | -0.10 (0.09) .27 | -0.04 (0.11) .69 | -0.06 (0.07) .40 | -0.23 (0.09) .01 | --- |
| a | Level | 9.23 (0.65) <.01 | 9.09 (0.65) <.01 | 9.01 (0.63) <.01 | 9.22 (0.65) <.01 | 9.14(0.10) |
| a | Slope | 0.18 (0.18) .31 | 0.20 (0.19) .29 | 0.22 (0.18) .21 | 0.21 (0.18) .24 | 0.20(0.02) |
| a | Level \* age | 0.30 (0.10) <.01 | 0.28 (0.10) <.01 | 0.30 (0.10) <.01 | 0.30 (0.10) <.01 | 0.29(0.01) |
| a | Level \* education | -0.08 (0.10) .40 | -0.08 (0.10) .39 | -0.08 (0.09) .39 | -0.08 (0.10) .38 | -0.08(0.00) |
| a | Level \* height | -0.06 (0.04) .18 | -0.05 (0.04) .22 | -0.05 (0.04) .23 | -0.06 (0.04) .18 | -0.05(0.00) |
| a | Level \* smoking | 0.91 (0.56) .11 | 1.00 (0.56) .07 | 1.04 (0.57) .07 | 0.91 (0.56) .11 | 0.97(0.07) |
| a | Level \* cardio | 1.27 (0.53) .02 | 1.32 (0.53) .01 | 1.30 (0.53) .01 | 1.30 (0.53) .01 | 1.30(0.02) |
| a | Level \* diabetes | 1.18 (0.81) .14 | 1.29 (0.81) .11 | 1.26 (0.81) .12 | 1.11 (0.81) .17 | 1.21(0.08) |
| a | Slope \* age | -0.01 (0.03) .71 | -0.01 (0.03) .86 | -0.01 (0.03) .66 | -0.01 (0.03) .73 | -0.01(0.00) |
| a | Slope \* education | 0.00 (0.02) .92 | 0.00 (0.02) .85 | 0.00 (0.02) .88 | 0.01 (0.02) .78 | 0.00(0.00) |
| a | Slope \* height | 0.01 (0.01) .39 | 0.00 (0.01) .68 | 0.01 (0.01) .54 | 0.01 (0.01) .39 | 0.01(0.00) |
| a | Slope \* smoking | -0.09 (0.14) .50 | -0.05 (0.13) .68 | -0.09 (0.14) .55 | -0.10 (0.14) .46 | -0.08(0.02) |
| a | Slope \* cardio | 0.24 (0.14) .10 | 0.21 (0.15) .15 | 0.22 (0.14) .12 | 0.22 (0.14) .13 | 0.22(0.01) |
| a | Slope \* diabetes | 0.15 (0.23) .51 | 0.07 (0.23) .76 | 0.08 (0.23) .72 | 0.11 (0.23) .63 | 0.10(0.04) |
| b | Level | 14.90 (1.81) <.01 | 3.95 (0.31) <.01 | 5.88 (0.32) <.01 | 28.76 (2.73) <.01 | --- |
| b | Slope | -0.36 (0.22) .10 | -0.15 (0.09) .10 | -0.06 (0.06) .39 | -0.37 (0.41) .37 | --- |
| b | Level \* age | -0.47 (0.22) .04 | -0.08 (0.04) .08 | -0.02 (0.03) .41 | -0.63 (0.37) .09 | --- |
| b | Level \* education | 0.63 (0.19) <.01 | 0.12 (0.03) <.01 | 0.07 (0.02) .01 | 1.65 (0.24) <.01 | --- |
| b | Level \* height | 0.15 (0.09) .08 | 0.00 (0.02) .91 | 0.01 (0.01) .42 | 0.23 (0.12) .05 | --- |
| b | Level \* smoking | -3.67 (1.44) .01 | -0.19 (0.28) .50 | -0.47 (0.23) .04 | -6.12 (2.25) .01 | --- |
| b | Level \* cardio | -0.61 (1.12) .59 | -0.55 (0.24) .02 | -0.01 (0.19) .94 | -1.47 (1.77) .41 | --- |
| b | Level \* diabetes | -2.61 (1.32) .05 | -0.29 (0.43) .49 | -0.03 (0.27) .92 | -2.58 (2.27) .26 | --- |
| b | Slope \* age | 0.04 (0.04) .21 | 0.00 (0.01) .83 | -0.01 (0.01) .08 | 0.05 (0.07) .45 | --- |
| b | Slope \* education | 0.02 (0.04) .65 | -0.00 (0.01) .62 | 0.01 (0.01) .20 | 0.02 (0.04) .58 | --- |
| b | Slope \* height | -0.01 (0.01) .62 | 0.01 (0.00) .13 | -0.00 (0.00) .19 | -0.02 (0.02) .30 | --- |
| b | Slope \* smoking | 0.05 (0.16) .77 | -0.03 (0.08) .73 | 0.06 (0.05) .23 | 0.22 (0.30) .47 | --- |
| b | Slope \* cardio | -0.17 (0.17) .32 | 0.08 (0.06) .13 | -0.02 (0.04) .50 | -0.16 (0.27) .54 | --- |
| b | Slope \* diabetes | 0.23 (0.30) .44 | -0.04 (0.12) .77 | -0.00 (0.06) .96 | -0.09 (0.43) .84 | --- |
| a | Var (Level) | 4.11 (1.44) <.01 | 4.14 (1.49) <.01 | 3.86 (1.39) .01 | 3.85 (1.40) .01 | 3.99(0.16) |
| a | Var (Slope) | 0.06 (0.09) .51 | 0.06 (0.10) .50 | 0.04 (0.08) .61 | 0.04 (0.07) .62 | 0.05(0.01) |
| a | Var (Residual) | 6.22 (1.14) <.01 | 6.21 (1.12) <.01 | 6.37 (1.21) <.01 | 6.38 (1.20) <.01 | 6.29(0.09) |
| b | Var (Level) | 32.21 (5.07) <.01 | 1.06 (0.27) <.01 | 0.81 (0.18) <.01 | 71.50 (10.55) <.01 | --- |
| b | Var (Slope) | 0.05 (0.18) .79 | 0.02 (0.01) .18 | 0.01 (0.00) .03 | 0.35 (0.24) .15 | --- |
| b | Var (Residual) | 9.25 (1.33) <.01 | 0.95 (0.14) <.01 | 0.52 (0.08) <.01 | 17.91 (2.56) <.01 | --- |
| a | Covar (Level, Slope) | 0.07 (0.37) .85 | 0.05 (0.39) .90 | 0.12 (0.35) .72 | 0.14 (0.34) .68 | 0.10(0.04) |
| b | Covar (Level, Slope) | 0.01 (0.50) .98 | -0.09 (0.05) .07 | -0.07 (0.03) .01 | -2.52 (1.12) .02 | --- |
|  | Correlation of Levels | -0.40 | -0.217 | -0.175 | -0.4574 | -0.31(0.14) |
|  | Correlation of Slopes | -0.74 | -0.582 | -0.555 | 0.0088 | -0.47(0.33) |
|  | Correlation of Residuals | -0.10 | -0.045 | -0.057 | -0.2350 | -0.11(0.09) |
|  | N | 137 | 139 | 139 | 134 | 137.25(2.36) |
|  | occasions | 5 | 5 | 5 | 5 | 5.00(0.00) |
|  | parameters | 41 | 41 | 41 | 41 | 41.00(0.00) |
|  | LL | -2,102 | -1,649 | -1,539 | -2,117 | -1,852(301) |
|  | AIC | 4,286 | 3,380 | 3,160 | 4,317 | 3,786(602) |
|  | BIC | 4,406 | 3,500 | 3,281 | 4,436 | 3,906(602) |

## block

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

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | -4.56 (1.84) .01 |
| ab | Covar (Slopes) | -0.04 (0.09) .68 |
| ab | Covar (Residuals) | -0.78 (0.73) .28 |
| er | Corr (Levels) | -0.40 (0.13) <.01 |
| er | Corr (Slopes) | -0.73 (2.42) .76 |
| er | Corr (Residuals) | -0.10 (0.09) .27 |
| a | Level | 9.23 (0.65) <.01 |
| a | Slope | 0.18 (0.18) .31 |
| a | Level \* age | 0.30 (0.10) <.01 |
| a | Level \* education | -0.08 (0.10) .40 |
| a | Level \* height | -0.06 (0.04) .18 |
| a | Level \* smoking | 0.91 (0.56) .11 |
| a | Level \* cardio | 1.27 (0.53) .02 |
| a | Level \* diabetes | 1.18 (0.81) .14 |
| a | Slope \* age | -0.01 (0.03) .71 |
| a | Slope \* education | 0.00 (0.02) .92 |
| a | Slope \* height | 0.01 (0.01) .39 |
| a | Slope \* smoking | -0.09 (0.14) .50 |
| a | Slope \* cardio | 0.24 (0.14) .10 |
| a | Slope \* diabetes | 0.15 (0.23) .51 |
| b | Level | 14.90 (1.81) <.01 |
| b | Slope | -0.36 (0.22) .10 |
| b | Level \* age | -0.47 (0.22) .04 |
| b | Level \* education | 0.63 (0.19) <.01 |
| b | Level \* height | 0.15 (0.09) .08 |
| b | Level \* smoking | -3.67 (1.44) .01 |
| b | Level \* cardio | -0.61 (1.12) .59 |
| b | Level \* diabetes | -2.61 (1.32) .05 |
| b | Slope \* age | 0.04 (0.04) .21 |
| b | Slope \* education | 0.02 (0.04) .65 |
| b | Slope \* height | -0.01 (0.01) .62 |
| b | Slope \* smoking | 0.05 (0.16) .77 |
| b | Slope \* cardio | -0.17 (0.17) .32 |
| b | Slope \* diabetes | 0.23 (0.30) .44 |
| a | Var (Level) | 4.11 (1.44) <.01 |
| a | Var (Slope) | 0.06 (0.09) .51 |
| a | Var (Residual) | 6.22 (1.14) <.01 |
| b | Var (Level) | 32.21 (5.07) <.01 |
| b | Var (Slope) | 0.05 (0.18) .79 |
| b | Var (Residual) | 9.25 (1.33) <.01 |
| a | Covar (Level, Slope) | 0.07 (0.37) .85 |
| b | Covar (Level, Slope) | 0.01 (0.50) .98 |
|  | Correlation of Levels | -0.40 |
|  | Correlation of Slopes | -0.74 |
|  | Correlation of Residuals | -0.10 |
|  | N | 137 |
|  | occasions | 5 |
|  | parameters | 41 |
|  | LL | -2,102 |
|  | AIC | 4,286 |
|  | BIC | 4,406 |

## digit\_b

Gender = *male*; Process (a) = *gait*; Process (b) = *digit\_b*

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | -0.46 (0.45) .31 |
| ab | Covar (Slopes) | -0.02 (0.03) .45 |
| ab | Covar (Residuals) | -0.11 (0.27) .69 |
| er | Corr (Levels) | -0.22 (0.20) .29 |
| er | Corr (Slopes) | -0.59 (0.86) .50 |
| er | Corr (Residuals) | -0.04 (0.11) .69 |
| a | Level | 9.09 (0.65) <.01 |
| a | Slope | 0.20 (0.19) .29 |
| a | Level \* age | 0.28 (0.10) <.01 |
| a | Level \* education | -0.08 (0.10) .39 |
| a | Level \* height | -0.05 (0.04) .22 |
| a | Level \* smoking | 1.00 (0.56) .07 |
| a | Level \* cardio | 1.32 (0.53) .01 |
| a | Level \* diabetes | 1.29 (0.81) .11 |
| a | Slope \* age | -0.01 (0.03) .86 |
| a | Slope \* education | 0.00 (0.02) .85 |
| a | Slope \* height | 0.00 (0.01) .68 |
| a | Slope \* smoking | -0.05 (0.13) .68 |
| a | Slope \* cardio | 0.21 (0.15) .15 |
| a | Slope \* diabetes | 0.07 (0.23) .76 |
| b | Level | 3.95 (0.31) <.01 |
| b | Slope | -0.15 (0.09) .10 |
| b | Level \* age | -0.08 (0.04) .08 |
| b | Level \* education | 0.12 (0.03) <.01 |
| b | Level \* height | 0.00 (0.02) .91 |
| b | Level \* smoking | -0.19 (0.28) .50 |
| b | Level \* cardio | -0.55 (0.24) .02 |
| b | Level \* diabetes | -0.29 (0.43) .49 |
| b | Slope \* age | 0.00 (0.01) .83 |
| b | Slope \* education | -0.00 (0.01) .62 |
| b | Slope \* height | 0.01 (0.00) .13 |
| b | Slope \* smoking | -0.03 (0.08) .73 |
| b | Slope \* cardio | 0.08 (0.06) .13 |
| b | Slope \* diabetes | -0.04 (0.12) .77 |
| a | Var (Level) | 4.14 (1.49) <.01 |
| a | Var (Slope) | 0.06 (0.10) .50 |
| a | Var (Residual) | 6.21 (1.12) <.01 |
| b | Var (Level) | 1.06 (0.27) <.01 |
| b | Var (Slope) | 0.02 (0.01) .18 |
| b | Var (Residual) | 0.95 (0.14) <.01 |
| a | Covar (Level, Slope) | 0.05 (0.39) .90 |
| b | Covar (Level, Slope) | -0.09 (0.05) .07 |
|  | Correlation of Levels | -0.217 |
|  | Correlation of Slopes | -0.582 |
|  | Correlation of Residuals | -0.045 |
|  | N | 139 |
|  | occasions | 5 |
|  | parameters | 41 |
|  | LL | -1,649 |
|  | AIC | 3,380 |
|  | BIC | 3,500 |

## digit\_f

Gender = *male*; Process (a) = *gait*; Process (b) = *digit\_f*

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | -0.31 (0.31) .31 |
| ab | Covar (Slopes) | -0.01 (0.01) .34 |
| ab | Covar (Residuals) | -0.10 (0.13) .41 |
| er | Corr (Levels) | -0.17 (0.17) .31 |
| er | Corr (Slopes) | -0.56 (0.64) .39 |
| er | Corr (Residuals) | -0.06 (0.07) .40 |
| a | Level | 9.01 (0.63) <.01 |
| a | Slope | 0.22 (0.18) .21 |
| a | Level \* age | 0.30 (0.10) <.01 |
| a | Level \* education | -0.08 (0.09) .39 |
| a | Level \* height | -0.05 (0.04) .23 |
| a | Level \* smoking | 1.04 (0.57) .07 |
| a | Level \* cardio | 1.30 (0.53) .01 |
| a | Level \* diabetes | 1.26 (0.81) .12 |
| a | Slope \* age | -0.01 (0.03) .66 |
| a | Slope \* education | 0.00 (0.02) .88 |
| a | Slope \* height | 0.01 (0.01) .54 |
| a | Slope \* smoking | -0.09 (0.14) .55 |
| a | Slope \* cardio | 0.22 (0.14) .12 |
| a | Slope \* diabetes | 0.08 (0.23) .72 |
| b | Level | 5.88 (0.32) <.01 |
| b | Slope | -0.06 (0.06) .39 |
| b | Level \* age | -0.02 (0.03) .41 |
| b | Level \* education | 0.07 (0.02) .01 |
| b | Level \* height | 0.01 (0.01) .42 |
| b | Level \* smoking | -0.47 (0.23) .04 |
| b | Level \* cardio | -0.01 (0.19) .94 |
| b | Level \* diabetes | -0.03 (0.27) .92 |
| b | Slope \* age | -0.01 (0.01) .08 |
| b | Slope \* education | 0.01 (0.01) .20 |
| b | Slope \* height | -0.00 (0.00) .19 |
| b | Slope \* smoking | 0.06 (0.05) .23 |
| b | Slope \* cardio | -0.02 (0.04) .50 |
| b | Slope \* diabetes | -0.00 (0.06) .96 |
| a | Var (Level) | 3.86 (1.39) .01 |
| a | Var (Slope) | 0.04 (0.08) .61 |
| a | Var (Residual) | 6.37 (1.21) <.01 |
| b | Var (Level) | 0.81 (0.18) <.01 |
| b | Var (Slope) | 0.01 (0.00) .03 |
| b | Var (Residual) | 0.52 (0.08) <.01 |
| a | Covar (Level, Slope) | 0.12 (0.35) .72 |
| b | Covar (Level, Slope) | -0.07 (0.03) .01 |
|  | Correlation of Levels | -0.175 |
|  | Correlation of Slopes | -0.555 |
|  | Correlation of Residuals | -0.057 |
|  | N | 139 |
|  | occasions | 5 |
|  | parameters | 41 |
|  | LL | -1,539 |
|  | AIC | 3,160 |
|  | BIC | 3,281 |

## symbol

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

|  |  |  |
| --- | --- | --- |
| process | label | aehplus |
| ab | Covar (Levels) | -7.59 (2.84) .01 |
| ab | Covar (Slopes) | 0.00 (0.11) .99 |
| ab | Covar (Residuals) | -2.51 (1.18) .03 |
| er | Corr (Levels) | -0.46 (0.14) <.01 |
| er | Corr (Slopes) | 0.00 (0.98) .99 |
| er | Corr (Residuals) | -0.23 (0.09) .01 |
| a | Level | 9.22 (0.65) <.01 |
| a | Slope | 0.21 (0.18) .24 |
| a | Level \* age | 0.30 (0.10) <.01 |
| a | Level \* education | -0.08 (0.10) .38 |
| a | Level \* height | -0.06 (0.04) .18 |
| a | Level \* smoking | 0.91 (0.56) .11 |
| a | Level \* cardio | 1.30 (0.53) .01 |
| a | Level \* diabetes | 1.11 (0.81) .17 |
| a | Slope \* age | -0.01 (0.03) .73 |
| a | Slope \* education | 0.01 (0.02) .78 |
| a | Slope \* height | 0.01 (0.01) .39 |
| a | Slope \* smoking | -0.10 (0.14) .46 |
| a | Slope \* cardio | 0.22 (0.14) .13 |
| a | Slope \* diabetes | 0.11 (0.23) .63 |
| b | Level | 28.76 (2.73) <.01 |
| b | Slope | -0.37 (0.41) .37 |
| b | Level \* age | -0.63 (0.37) .09 |
| b | Level \* education | 1.65 (0.24) <.01 |
| b | Level \* height | 0.23 (0.12) .05 |
| b | Level \* smoking | -6.12 (2.25) .01 |
| b | Level \* cardio | -1.47 (1.77) .41 |
| b | Level \* diabetes | -2.58 (2.27) .26 |
| b | Slope \* age | 0.05 (0.07) .45 |
| b | Slope \* education | 0.02 (0.04) .58 |
| b | Slope \* height | -0.02 (0.02) .30 |
| b | Slope \* smoking | 0.22 (0.30) .47 |
| b | Slope \* cardio | -0.16 (0.27) .54 |
| b | Slope \* diabetes | -0.09 (0.43) .84 |
| a | Var (Level) | 3.85 (1.40) .01 |
| a | Var (Slope) | 0.04 (0.07) .62 |
| a | Var (Residual) | 6.38 (1.20) <.01 |
| b | Var (Level) | 71.50 (10.55) <.01 |
| b | Var (Slope) | 0.35 (0.24) .15 |
| b | Var (Residual) | 17.91 (2.56) <.01 |
| a | Covar (Level, Slope) | 0.14 (0.34) .68 |
| b | Covar (Level, Slope) | -2.52 (1.12) .02 |
|  | Correlation of Levels | -0.4574 |
|  | Correlation of Slopes | 0.0088 |
|  | Correlation of Residuals | -0.2350 |
|  | N | 134 |
|  | occasions | 5 |
|  | parameters | 41 |
|  | LL | -2,117 |
|  | AIC | 4,317 |
|  | BIC | 4,436 |

## Summary

Study = *OCTO*; Gender = *male*; Process (a) = *gait*

Computed correlations:

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Correlation of Levels | block | -0.40 |
| Correlation of Levels | digit\_b | -0.22 |
| Correlation of Levels | digit\_f | -0.17 |
| Correlation of Levels | symbol | -0.46 |

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Correlation of Slopes | block | -0.74 |
| Correlation of Slopes | digit\_b | -0.58 |
| Correlation of Slopes | digit\_f | -0.55 |
| Correlation of Slopes | symbol | 0.01 |

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Correlation of Residuals | block | -0.10 |
| Correlation of Residuals | digit\_b | -0.04 |
| Correlation of Residuals | digit\_f | -0.06 |
| Correlation of Residuals | symbol | -0.23 |

P-values for corresponding covariances:

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Covariance of Levels | block | 0.01 |
| Covariance of Levels | digit\_b | 0.31 |
| Covariance of Levels | digit\_f | 0.31 |
| Covariance of Levels | symbol | 0.01 |

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Covariance of Slopes | block | 0.68 |
| Covariance of Slopes | digit\_b | 0.45 |
| Covariance of Slopes | digit\_f | 0.34 |
| Covariance of Slopes | symbol | 1.00 |

|  |  |  |
| --- | --- | --- |
| label | process\_b | aehplus |
| Covariance of Residuals | block | 0.28 |
| Covariance of Residuals | digit\_b | 0.69 |
| Covariance of Residuals | digit\_f | 0.41 |
| Covariance of Residuals | symbol | 0.03 |

#Session Info

R version 3.3.1 (2016-06-21)  
Platform: x86\_64-w64-mingw32/x64 (64-bit)  
Running under: Windows >= 8 x64 (build 9200)  
  
locale:  
[1] LC\_COLLATE=English\_United States.1252 LC\_CTYPE=English\_United States.1252 LC\_MONETARY=English\_United States.1252  
[4] LC\_NUMERIC=C LC\_TIME=English\_United States.1252   
  
attached base packages:  
[1] stats graphics grDevices utils datasets methods base   
  
other attached packages:  
[1] knitr\_1.14 ggplot2\_2.2.0 IalsaSynthesis\_0.1.8.9000 MplusAutomation\_0.6-4   
[5] magrittr\_1.5   
  
loaded via a namespace (and not attached):  
 [1] Rcpp\_0.12.7 formatR\_1.4 plyr\_1.8.4 highr\_0.6 tools\_3.3.1 boot\_1.3-18   
 [7] digest\_0.6.10 evaluate\_0.10 tibble\_1.2 gtable\_0.2.0 lattice\_0.20-34 texreg\_1.36.7   
[13] DBI\_0.5-1 yaml\_2.1.13 proto\_0.3-10 coda\_0.18-1 dplyr\_0.5.0 stringr\_1.1.0   
[19] htmlwidgets\_0.7 grid\_3.3.1 DT\_0.2 data.table\_1.9.6 R6\_2.2.0 rmarkdown\_1.1   
[25] gsubfn\_0.6-6 pander\_0.6.0 tidyr\_0.6.0 reshape2\_1.4.1 readr\_1.0.0 scales\_0.4.1   
[31] htmltools\_0.3.5 rsconnect\_0.5 assertthat\_0.1 testit\_0.5 colorspace\_1.2-7 xtable\_1.8-2   
[37] stringi\_1.1.2 lazyeval\_0.2.0 munsell\_0.4.3 chron\_2.3-47