ILSE : Seed Report

Date: 2016-10-21

Table of Contents

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

# grip : Available models

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

|  |  |  |
| --- | --- | --- |
| process\_a | process\_b | n\_models |
| grip | tug | 6 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| study\_name | subgroup | model\_type | process\_a | process\_b | n\_models |
| ilse | female | a | grip | tug | 1 |
| ilse | female | aeh | grip | tug | 1 |
| ilse | female | aehplus | grip | tug | 1 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| study\_name | subgroup | model\_type | process\_a | process\_b | n\_models |
| ilse | male | a | grip | tug | 1 |
| ilse | male | aeh | grip | tug | 1 |
| ilse | male | aehplus | grip | tug | 1 |

# female

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

|  |  |  |  |
| --- | --- | --- | --- |
| process | label | tug | mean(sd) |
| a | Level | 87.87 (13.62) <.01 | 87.87(NA) |
| a | Slope | -6.81 (2.41) <.01 | -6.81(NA) |
| a | Level \* age | 2.82 (1.83) .12 | 2.82(NA) |
| a | Level \* education | -3.11 (3.59) .39 | -3.11(NA) |
| a | Level \* height | 0.63 (0.32) .05 | 0.63(NA) |
| a | Level \* smoking | -4.98 (3.75) .18 | -4.98(NA) |
| a | Level \* cardio | 1.79 (4.27) .68 | 1.79(NA) |
| a | Level \* diabetes | --- | --- |
| a | Slope \* age | -0.59 (0.33) .07 | -0.59(NA) |
| a | Slope \* education | 0.67 (0.50) .18 | 0.67(NA) |
| a | Slope \* height | -0.02 (0.05) .73 | -0.02(NA) |
| a | Slope \* smoking | 0.34 (0.52) .51 | 0.34(NA) |
| a | Slope \* cardio | -0.02 (0.61) .97 | -0.02(NA) |
| a | Slope \* diabetes | --- | --- |
| b | Level | 4.86 (1.55) <.01 | --- |
| b | Slope | 0.21 (0.20) .29 | --- |
| b | Level \* age | -0.15 (0.21) .49 | --- |
| b | Level \* education | -0.51 (0.37) .17 | --- |
| b | Level \* height | 0.01 (0.02) .77 | --- |
| b | Level \* smoking | -0.23 (0.36) .52 | --- |
| b | Level \* cardio | 0.69 (0.40) .09 | --- |
| b | Level \* diabetes | --- | --- |
| b | Slope \* age | 0.00 (0.03) .91 | --- |
| b | Slope \* education | 0.05 (0.05) .36 | --- |
| b | Slope \* height | 0.00 (0.00) .89 | --- |
| b | Slope \* smoking | 0.05 (0.05) .34 | --- |
| b | Slope \* cardio | -0.05 (0.05) .36 | --- |
| b | Slope \* diabetes | --- | --- |
| a | Var (Level) | 422.82 (69.53) <.01 | 422.82(NA) |
| a | Var (Slope) | 5.17 (1.44) <.01 | 5.17(NA) |
| a | Var (Residual) | 167.40 (20.67) <.01 | 167.40(NA) |
| a | Covar (Level, Slope) | -45.70 (8.95) <.01 | -45.70(NA) |
| b | Var (Level) | 1.42 (0.62) .02 | --- |
| b | Var (Slope) | 0.00 (0.01) .88 | --- |
| b | Var (Residual) | 1.73 (0.27) <.01 | --- |
| b | Covar (Level, Slope) | -0.03 (0.07) .63 | --- |
| ab | Covar (Levels) | -1.39 (5.52) .80 | --- |
| ab | Covar (Slopes) | 0.04 (0.14) .80 | --- |
| ab | Covar (Residuals) | 1.68 (2.37) .48 | --- |
|  | Correlation of Levels | -0.057 | -0.06(NA) |
|  | Correlation of Slopes | 0.354 | 0.35(NA) |
|  | Correlation of Residuals | 0.099 | 0.10(NA) |
|  | N | 224 | 224.00(NA) |
|  | occasions | 3 | 3.00(NA) |
|  | parameters | 37 | 37.00(NA) |
|  | LL | -2,888 | -2,888(NA) |
|  | AIC | 5,850 | 5,850(NA) |
|  | BIC | 5,977 | 5,977(NA) |

## tug

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| process | label | a | aeh | aehplus |
| a | Level | 84.21 (13.39) <.01 | 84.87 (13.48) <.01 | 87.87 (13.62) <.01 |
| a | Slope | -6.02 (2.24) .01 | -6.72 (2.29) <.01 | -6.81 (2.41) <.01 |
| a | Level \* age | 2.43 (1.82) .18 | 2.54 (1.82) .16 | 2.82 (1.83) .12 |
| a | Level \* education | --- | -3.60 (3.51) .30 | -3.11 (3.59) .39 |
| a | Level \* height | --- | 0.58 (0.31) .06 | 0.63 (0.32) .05 |
| a | Level \* smoking | --- | --- | -4.98 (3.75) .18 |
| a | Level \* cardio | --- | --- | 1.79 (4.27) .68 |
| a | Level \* diabetes | --- | --- | --- |
| a | Slope \* age | -0.51 (0.31) .10 | -0.59 (0.31) .06 | -0.59 (0.33) .07 |
| a | Slope \* education | --- | 0.69 (0.48) .15 | 0.67 (0.50) .18 |
| a | Slope \* height | --- | -0.01 (0.05) .81 | -0.02 (0.05) .73 |
| a | Slope \* smoking | --- | --- | 0.34 (0.52) .51 |
| a | Slope \* cardio | --- | --- | -0.02 (0.61) .97 |
| a | Slope \* diabetes | --- | --- | --- |
| b | Level | 4.68 (1.29) <.01 | 4.97 (1.45) <.01 | 4.86 (1.55) <.01 |
| b | Slope | 0.28 (0.16) .08 | 0.24 (0.18) .19 | 0.21 (0.20) .29 |
| b | Level \* age | -0.16 (0.18) .37 | -0.15 (0.21) .47 | -0.15 (0.21) .49 |
| b | Level \* education | --- | -0.58 (0.37) .11 | -0.51 (0.37) .17 |
| b | Level \* height | --- | 0.00 (0.03) .96 | 0.01 (0.02) .77 |
| b | Level \* smoking | --- | --- | -0.23 (0.36) .52 |
| b | Level \* cardio | --- | --- | 0.69 (0.40) .09 |
| b | Level \* diabetes | --- | --- | --- |
| b | Slope \* age | 0.01 (0.02) .68 | 0.01 (0.02) .78 | 0.00 (0.03) .91 |
| b | Slope \* education | --- | 0.06 (0.05) .29 | 0.05 (0.05) .36 |
| b | Slope \* height | --- | 0.00 (0.00) .95 | 0.00 (0.00) .89 |
| b | Slope \* smoking | --- | --- | 0.05 (0.05) .34 |
| b | Slope \* cardio | --- | --- | -0.05 (0.05) .36 |
| b | Slope \* diabetes | --- | --- | --- |
| a | Var (Level) | 427.75 (67.94) <.01 | 421.16 (68.11) <.01 | 422.82 (69.53) <.01 |
| a | Var (Slope) | 4.80 (1.26) <.01 | 4.94 (1.34) <.01 | 5.17 (1.44) <.01 |
| a | Var (Residual) | 176.02 (21.27) <.01 | 171.34 (20.64) <.01 | 167.40 (20.67) <.01 |
| a | Covar (Level, Slope) | -44.25 (8.36) <.01 | -44.63 (8.53) <.01 | -45.70 (8.95) <.01 |
| b | Var (Level) | 1.39 (0.58) .02 | 1.42 (0.61) .02 | 1.42 (0.62) .02 |
| b | Var (Slope) | 0.00 (0.01) .87 | 0.00 (0.01) .88 | 0.00 (0.01) .88 |
| b | Var (Residual) | 1.77 (0.25) <.01 | 1.74 (0.25) <.01 | 1.73 (0.27) <.01 |
| b | Covar (Level, Slope) | -0.03 (0.06) .63 | -0.03 (0.07) .64 | -0.03 (0.07) .63 |
| ab | Covar (Levels) | -1.32 (5.08) .80 | -1.48 (5.43) .79 | -1.39 (5.52) .80 |
| ab | Covar (Slopes) | 0.03 (0.14) .82 | 0.04 (0.14) .79 | 0.04 (0.14) .80 |
| ab | Covar (Residuals) | 1.34 (2.23) .55 | 1.56 (2.30) .50 | 1.68 (2.37) .48 |
|  | Correlation of Levels | -0.054 | -0.060 | -0.057 |
|  | Correlation of Slopes | 0.447 | 0.498 | 0.354 |
|  | Correlation of Residuals | 0.076 | 0.091 | 0.099 |
|  | N | 227 | 225 | 224 |
|  | occasions | 3 | 3 | 3 |
|  | parameters | 21 | 29 | 37 |
|  | LL | -2,939 | -2,908 | -2,888 |
|  | AIC | 5,920 | 5,873 | 5,850 |
|  | BIC | 5,992 | 5,973 | 5,977 |

## Summary

Study = *ILSE*; Gender = *female*; Process (a) = *grip*

Computed correlations:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| label | process\_b | a | aeh | aehplus |
| Correlation of Levels | tug | -0.05 | -0.06 | -0.06 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| label | process\_b | a | aeh | aehplus |
| Correlation of Slopes | tug | 0.37 | 0.41 | 0.40 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| label | process\_b | a | aeh | aehplus |
| Correlation of Residuals | tug | 0.12 | 0.13 | 0.14 |

P-values for corresponding covariances:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| label | process\_b | a | aeh | aehplus |
| Correlation of Levels | tug | 0.80 | 0.79 | 0.80 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| label | process\_b | a | aeh | aehplus |
| Correlation of Slopes | tug | 0.82 | 0.81 | 0.80 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| label | process\_b | a | aeh | aehplus |
| Correlation of Residuals | tug | 0.54 | 0.49 | 0.47 |

# male

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

|  |  |  |  |
| --- | --- | --- | --- |
| process | label | tug | mean(sd) |
| a | Level | 94.39 (12.56) <.01 | 94.39(NA) |
| a | Slope | -2.60 (1.52) .09 | -2.60(NA) |
| a | Level \* age | 0.89 (1.63) .59 | 0.89(NA) |
| a | Level \* education | 0.74 (3.50) .83 | 0.74(NA) |
| a | Level \* height | 0.64 (0.26) .01 | 0.64(NA) |
| a | Level \* smoking | -3.24 (3.71) .38 | -3.24(NA) |
| a | Level \* cardio | -2.65 (3.88) .49 | -2.65(NA) |
| a | Level \* diabetes | --- | --- |
| a | Slope \* age | -0.04 (0.20) .84 | -0.04(NA) |
| a | Slope \* education | 0.12 (0.48) .80 | 0.12(NA) |
| a | Slope \* height | -0.05 (0.03) .15 | -0.05(NA) |
| a | Slope \* smoking | 0.58 (0.47) .21 | 0.58(NA) |
| a | Slope \* cardio | 0.58 (0.48) .23 | 0.58(NA) |
| a | Slope \* diabetes | --- | --- |
| b | Level | 4.63 (1.13) <.01 | --- |
| b | Slope | 0.26 (0.18) .14 | --- |
| b | Level \* age | -0.06 (0.16) .71 | --- |
| b | Level \* education | -0.19 (0.25) .44 | --- |
| b | Level \* height | -0.02 (0.02) .35 | --- |
| b | Level \* smoking | 0.13 (0.31) .68 | --- |
| b | Level \* cardio | 0.42 (0.26) .11 | --- |
| b | Level \* diabetes | --- | --- |
| b | Slope \* age | 0.00 (0.02) .85 | --- |
| b | Slope \* education | 0.02 (0.04) .57 | --- |
| b | Slope \* height | 0.00 (0.00) .89 | --- |
| b | Slope \* smoking | -0.03 (0.05) .53 | --- |
| b | Slope \* cardio | 0.02 (0.04) .72 | --- |
| b | Slope \* diabetes | --- | --- |
| a | Var (Level) | 361.89 (51.82) <.01 | 361.89(NA) |
| a | Var (Slope) | 1.50 (1.01) .14 | 1.50(NA) |
| a | Var (Residual) | 174.83 (16.90) <.01 | 174.83(NA) |
| a | Covar (Level, Slope) | -22.60 (6.44) <.01 | -22.60(NA) |
| b | Var (Level) | 0.28 (0.42) .50 | --- |
| b | Var (Slope) | 0.00 (0.01) .51 | --- |
| b | Var (Residual) | 1.85 (0.26) <.01 | --- |
| b | Covar (Level, Slope) | -0.01 (0.05) .80 | --- |
| ab | Covar (Levels) | 2.92 (3.48) .40 | --- |
| ab | Covar (Slopes) | 0.07 (0.08) .33 | --- |
| ab | Covar (Residuals) | -4.96 (1.95) .01 | --- |
|  | Correlation of Levels | 0.29 | 0.29(NA) |
|  | Correlation of Slopes | 0.86 | 0.86(NA) |
|  | Correlation of Residuals | -0.28 | -0.28(NA) |
|  | N | 252 | 252.00(NA) |
|  | occasions | 3 | 3.00(NA) |
|  | parameters | 37 | 37.00(NA) |
|  | LL | -3,179 | -3,179(NA) |
|  | AIC | 6,433 | 6,433(NA) |
|  | BIC | 6,563 | 6,563(NA) |

## tug

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| process | label | a | aeh | aehplus |
| a | Level | 87.74 (11.48) <.01 | 87.80 (11.69) <.01 | 94.39 (12.56) <.01 |
| a | Slope | -1.90 (1.40) .18 | -1.89 (1.46) .19 | -2.60 (1.52) .09 |
| a | Level \* age | 0.14 (1.57) .93 | 0.34 (1.57) .83 | 0.89 (1.63) .59 |
| a | Level \* education | --- | 0.13 (3.46) .97 | 0.74 (3.50) .83 |
| a | Level \* height | --- | 0.67 (0.26) .01 | 0.64 (0.26) .01 |
| a | Level \* smoking | --- | --- | -3.24 (3.71) .38 |
| a | Level \* cardio | --- | --- | -2.65 (3.88) .49 |
| a | Level \* diabetes | --- | --- | --- |
| a | Slope \* age | -0.02 (0.19) .92 | -0.02 (0.19) .92 | -0.04 (0.20) .84 |
| a | Slope \* education | --- | 0.22 (0.47) .64 | 0.12 (0.48) .80 |
| a | Slope \* height | --- | -0.05 (0.03) .13 | -0.05 (0.03) .15 |
| a | Slope \* smoking | --- | --- | 0.58 (0.47) .21 |
| a | Slope \* cardio | --- | --- | 0.58 (0.48) .23 |
| a | Slope \* diabetes | --- | --- | --- |
| b | Level | 4.91 (1.01) <.01 | 5.00 (1.06) <.01 | 4.63 (1.13) <.01 |
| b | Slope | 0.25 (0.16) .11 | 0.23 (0.17) .18 | 0.26 (0.18) .14 |
| b | Level \* age | -0.04 (0.14) .80 | -0.04 (0.15) .79 | -0.06 (0.16) .71 |
| b | Level \* education | --- | -0.20 (0.24) .41 | -0.19 (0.25) .44 |
| b | Level \* height | --- | -0.02 (0.02) .26 | -0.02 (0.02) .35 |
| b | Level \* smoking | --- | --- | 0.13 (0.31) .68 |
| b | Level \* cardio | --- | --- | 0.42 (0.26) .11 |
| b | Level \* diabetes | --- | --- | --- |
| b | Slope \* age | 0.00 (0.02) .87 | 0.00 (0.02) .91 | 0.00 (0.02) .85 |
| b | Slope \* education | --- | 0.03 (0.04) .49 | 0.02 (0.04) .57 |
| b | Slope \* height | --- | -0.00 (0.00) .87 | 0.00 (0.00) .89 |
| b | Slope \* smoking | --- | --- | -0.03 (0.05) .53 |
| b | Slope \* cardio | --- | --- | 0.02 (0.04) .72 |
| b | Slope \* diabetes | --- | --- | --- |
| a | Var (Level) | 390.49 (55.24) <.01 | 371.53 (52.31) <.01 | 361.89 (51.82) <.01 |
| a | Var (Slope) | 1.69 (0.94) .07 | 1.66 (0.98) .09 | 1.50 (1.01) .14 |
| a | Var (Residual) | 175.40 (16.17) <.01 | 175.57 (16.72) <.01 | 174.83 (16.90) <.01 |
| a | Covar (Level, Slope) | -24.71 (6.31) <.01 | -23.81 (6.39) <.01 | -22.60 (6.44) <.01 |
| b | Var (Level) | 0.35 (0.42) .41 | 0.32 (0.42) .43 | 0.28 (0.42) .50 |
| b | Var (Slope) | 0.00 (0.01) .49 | 0.00 (0.01) .46 | 0.00 (0.01) .51 |
| b | Var (Residual) | 1.85 (0.25) <.01 | 1.84 (0.25) <.01 | 1.85 (0.26) <.01 |
| b | Covar (Level, Slope) | -0.01 (0.05) .87 | -0.01 (0.05) .83 | -0.01 (0.05) .80 |
| ab | Covar (Levels) | 1.53 (3.36) .65 | 2.54 (3.48) .46 | 2.92 (3.48) .40 |
| ab | Covar (Slopes) | 0.08 (0.07) .30 | 0.08 (0.08) .30 | 0.07 (0.08) .33 |
| ab | Covar (Residuals) | -5.36 (1.91) <.01 | -5.23 (1.90) .01 | -4.96 (1.95) .01 |
|  | Correlation of Levels | 0.13 | 0.23 | 0.29 |
|  | Correlation of Slopes | 0.84 | 0.89 | 0.86 |
|  | Correlation of Residuals | -0.30 | -0.29 | -0.28 |
|  | N | 253 | 253 | 252 |
|  | occasions | 3 | 3 | 3 |
|  | parameters | 21 | 29 | 37 |
|  | LL | -3,207 | -3,199 | -3,179 |
|  | AIC | 6,455 | 6,457 | 6,433 |
|  | BIC | 6,530 | 6,559 | 6,563 |

## Summary

Study = *ILSE*; Gender = *male*; Process (a) = *grip*

Computed correlations:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| label | process\_b | a | aeh | aehplus |
| Correlation of Levels | tug | 0.13 | 0.23 | 0.29 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| label | process\_b | a | aeh | aehplus |
| Correlation of Slopes | tug | 0.83 | 0.85 | 0.84 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| label | process\_b | a | aeh | aehplus |
| Correlation of Residuals | tug | 0.10 | 0.10 | 0.10 |

P-values for corresponding covariances:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| label | process\_b | a | aeh | aehplus |
| Correlation of Levels | tug | 0.68 | 0.54 | 0.51 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| label | process\_b | a | aeh | aehplus |
| Correlation of Slopes | tug | 0.47 | 0.45 | 0.50 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| label | process\_b | a | aeh | aehplus |
| Correlation of Residuals | tug | 0.00 | 0.00 | 0.01 |

#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] grid stats graphics grDevices utils datasets methods base   
  
other attached packages:  
[1] RColorBrewer\_1.1-2 dichromat\_2.0-0 extrafont\_0.17 rhdf5\_2.16.0   
[5] IalsaSynthesis\_0.1.8.9000 MplusAutomation\_0.6-4 knitr\_1.14 ggplot2\_2.1.0   
[9] 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 zlibbioc\_1.18.0 tools\_3.3.1   
 [7] boot\_1.3-18 digest\_0.6.10 evaluate\_0.10 tibble\_1.2 gtable\_0.2.0 lattice\_0.20-34   
[13] texreg\_1.36.7 DBI\_0.5-1 yaml\_2.1.13 proto\_0.3-10 Rttf2pt1\_1.3.4 coda\_0.18-1   
[19] dplyr\_0.5.0 stringr\_1.1.0 htmlwidgets\_0.7 DT\_0.2 R6\_2.2.0 rmarkdown\_1.1   
[25] gsubfn\_0.6-6 extrafontdb\_1.0 pander\_0.6.0 tidyr\_0.6.0 readr\_1.0.0 scales\_0.4.0   
[31] htmltools\_0.3.5 rsconnect\_0.5 assertthat\_0.1 testit\_0.5 colorspace\_1.2-7 xtable\_1.8-2   
[37] labeling\_0.3 stringi\_1.1.2 lazyeval\_0.2.0 munsell\_0.4.3