BISR: gait (focus)

Date: 2017-07-08

## Legend

* Corr(Levels)Est = correlation between intercepts (factor scores) of two processes
* Corr(Slopes)Est = correlation between linear slopes (factor scores) of two processes
* Corr(Resid)Est = correlation between residuals of two processes

Correlations have been computed withing Mplus.

Note: cases in which restricted (co)variances or insufficient decimals prevent the computation of correlations are marked by ---

**Correlations** are reported in the form : **est(se) pval star**  
where  
- est is the covariance estimate on the original metric  
- se is the standard error on the original metric  
- pval is the p-value associated with the raw covariance  
- star is significance indicator associated with corresponding covariance estimate, with ., \*, \*\*, and \*\*\* indicating significance at .10, .05, .01, and .001 alpha levels, respectively

# Group by domain

## male

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| domain | study | physical | cognitive |  | Corr(Levels)Est | Corr(Slopes)Est | Corr(Residuals)Est |
| Attention & Working Memory | eas | gait | Digit Span Total | 222 | .17( .17), =.33 | .39(1.04), =.71 | -.06( .10), =.56 |
| Attention & Working Memory | eas | gait | Trials B | 221 | -.27( .20), =.18 | -.67(1.44), =.64 | .17( .10), =.10 . |
| Attention & Working Memory | hrs | gait | Serial 7s | 318 | --- | --- | --- |
| Attention & Working Memory | map | gait | Digit Ordering | 320 | .14( .10), =.19 | -.31(1.18), =.79 | -.00( .04), =.92 |
| Attention & Working Memory | map | gait | Digit Span Backward | 321 | .26( .10), =.01 \*\* | .24( .58), =.68 | .00( .04), =.96 |
| Attention & Working Memory | map | gait | Digit Span Forward | 321 | .17( .09), =.07 . | .30( .78), =.70 | .01( .04), =.77 |
| Attention & Working Memory | octo | gait | Digit Span Backward | 139 | -.22( .22), =.32 | -.59( .88), =.51 | -.04( .11), =.69 |
| Attention & Working Memory | octo | gait | Digit Span Forward | 139 | -.17( .18), =.34 | -.56( .69), =.42 | -.06( .07), =.41 |
| Learning & Memory | eas | gait | Logical Memory Total | 218 | .21( .19), =.26 | .09( .76), =.90 | -.03( .10), =.77 |
| Learning & Memory | eas | gait | Word List Immediate | 222 | .17( .20), =.39 | .13(1.20), =.92 | .09( .08), =.26 |
| Learning & Memory | elsa | gait | Word List Delayed | 1947 | .23( .04), <.01 \*\*\* | -.18( .28), =.52 | .04( .02), =.04 \* |
| Learning & Memory | elsa | gait | Word List Immediate | 1947 | .22( .05), <.01 \*\*\* | -.11( .20), =.59 | -.01( .02), =.48 |
| Learning & Memory | hrs | gait | Word List Delayed | 318 | --- | --- | --- |
| Learning & Memory | hrs | gait | Word List Immediate | 318 | --- | --- | --- |
| Learning & Memory | lasa | gait | Word List Immediate | 800 | -.27( .20), =.17 | .10( .49), =.85 | -.01( .03), =.77 |
| Learning & Memory | map | gait | Boston Story Delayed | 321 | .39( .12), <.01 \*\*\* | .67(1.71), =.70 | -.05( .04), =.13 |
| Learning & Memory | map | gait | Boston Story Immediate | 321 | .36( .12), <.01 \*\* | .73( .94), =.44 | -.07( .04), =.06 . |
| Learning & Memory | map | gait | Logical Memory Delayed | 321 | .24( .09), =.01 \*\* | .50( .35), =.15 | -.02( .04), =.62 |
| Learning & Memory | map | gait | Logical Memory Immediate | 321 | .22( .11), =.04 \* | .78(1.12), =.49 | -.02( .04), =.68 |
| Learning & Memory | map | gait | Word List Delayed | 321 | .29( .08), <.01 \*\*\* | .74( .50), =.14 | -.02( .04), =.65 |
| Learning & Memory | map | gait | Word List Immediate | 321 | .22( .10), =.03 \* | .62( .54), =.25 | .02( .04), =.68 |
| Learning & Memory | map | gait | Word Recognition | 321 | .07( .10), =.49 | -.15( .35), =.67 | .04( .05), =.37 |
| Learning & Memory | octo | gait | Objects Recalled | 137 | -.57( .16), <.01 \*\*\* | -.18( .47), =.70 | -.05( .08), =.54 |
| Learning & Memory | octo | gait | Objects Recognized | 137 | -.35( .29), =.21 | -.34( .64), =.59 | -.11( .06), =.05 . |
| Learning & Memory | octo | gait | Prose Immediate | 139 | -.36( .21), =.09 . | -.05(3.62), =.99 | .11( .15), =.45 |
| Mental Status | eas | gait | Calculated MMSE | 222 | .34( .25), =.17 | -.50(2.74), =.85 | -.03( .11), =.79 |
| Mental Status | map | gait | Ideas | 321 | .18( .08), =.03 \* | -.18( .23), =.44 | .01( .05), =.79 |
| Mental Status | map | gait | MMSE | 321 | .48( .10), <.01 \*\*\* | .29( .46), =.53 | .03( .04), =.50 |
| Mental Status | octo | gait | MMSE | 137 | -.41( .25), =.10 . | -.15(1.26), =.91 | -.16( .06), =.01 \*\* |
| Mental Status | octo | gait | MMSE | 140 | -.48( .30), =.11 | -.42( .61), =.49 | -.12( .08), =.12 |
| Perceptual Reasoning | eas | gait | Block Design | 210 | .33( .15), =.02 \* | .31(1.70), =.85 | -.08( .08), =.34 |
| Perceptual Reasoning | ilse | tug | Block Design | 252 | --- | --- | --- |
| Perceptual Reasoning | ilse | tug | IPSS Spatial Ability | 252 | --- | --- | --- |
| Perceptual Reasoning | ilse | tug | Picture Comletion | 252 | --- | --- | --- |
| Perceptual Reasoning | lasa | gait | Progressive Matrices | 800 | -.23( .19), =.23 | -.23( .16), =.15 | .02( .03), =.38 |
| Perceptual Reasoning | map | gait | Line Orientation | 321 | .15( .09), =.09 . | -.66( .67), =.32 | .08( .04), =.06 . |
| Perceptual Reasoning | map | gait | Progressive Matrices | 321 | .36( .11), <.01 \*\*\* | .64( .64), =.32 | .11( .04), =.01 \*\* |
| Perceptual Reasoning | octo | gait | Block Design | 137 | -.40( .14), <.01 \*\* | -.73(2.52), =.77 | -.10( .09), =.28 |
| Perceptual Reasoning | octo | gait | Figure Logic | 135 | -.46( .23), =.05 . | .02(1.57), =.99 | -.04( .10), =.68 |
| Processing Speed | eas | gait | Symbol | 221 | .39( .14), =.01 \*\* | .67( .85), =.43 | -.01( .09), =.91 |
| Processing Speed | ilse | tug | Symbol | 252 | --- | --- | --- |
| Processing Speed | lasa | gait | Coding | 800 | -.30( .21), =.15 | -.32( .14), =.02 \* | -.03( .04), =.43 |
| Processing Speed | map | gait | Number Comparison | 321 | .22( .08), =.01 \*\* | -.40( .40), =.32 | .07( .04), =.06 . |
| Processing Speed | map | gait | Symbol | 321 | .46( .07), <.01 \*\*\* | -.33( .40), =.41 | .09( .05), =.06 . |
| Processing Speed | octo | gait | Perceptual Speed | 131 | -.30( .28), =.27 | -.48( .74), =.51 | .02( .11), =.82 |
| Processing Speed | octo | gait | Symbol | 134 | -.46( .14), <.01 \*\* | .00(1.01), =.99 | -.23( .09), =.01 \* |
| Verbal Ability | eas | gait | Boston Naming Test | 222 | .19( .18), =.29 | -.04(3.45), =.99 | .02( .08), =.76 |
| Verbal Ability | eas | gait | Categories | 222 | .31( .16), =.05 . | .78( .72), =.28 | .00( .09), =.98 |
| Verbal Ability | eas | gait | FAS | 222 | .15( .16), =.37 | .56(1.22), =.65 | .02( .10), =.85 |
| Verbal Ability | eas | gait | Vocabulary | 222 | .04( .17), =.81 | -.34(1.82), =.85 | -.06( .10), =.54 |
| Verbal Ability | elsa | gait | Fluency | 1947 | .23( .04), <.01 \*\*\* | .16( .15), =.29 | -.02( .02), =.34 |
| Verbal Ability | ilse | tug | Information | 252 | --- | --- | --- |
| Verbal Ability | map | gait | Boston Naming Test | 321 | .31( .07), <.01 \*\*\* | -.63( .77), =.41 | -.03( .04), =.48 |
| Verbal Ability | map | gait | Categories | 321 | .38( .08), <.01 \*\*\* | .74( .36), =.04 \* | .04( .04), =.38 |
| Verbal Ability | map | gait | NART | 321 | .19( .08), =.02 \* | .26( .48), =.58 | .02( .04), =.70 |
| Verbal Ability | octo | gait | Information | 140 | -.21( .14), =.13 | -.14( .60), =.82 | -.11( .09), =.25 |
| Verbal Ability | octo | gait | Synonyms | 134 | -.09( .16), =.56 | -.63(1.90), =.74 | -.06( .08), =.44 |

## female

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| domain | study | physical | cognitive |  | Corr(Levels)Est | Corr(Slopes)Est | Corr(Residuals)Est |
| Attention & Working Memory | eas | gait | Digit Span Total | 363 | .24( .11), =.03 \* | .74( .40), =.06 . | -.02( .07), =.79 |
| Attention & Working Memory | eas | gait | Trials B | 362 | -.01( .12), =.96 | .18( .36), =.61 | -.01( .08), =.86 |
| Attention & Working Memory | hrs | gait | Serial 7s | 370 | --- | --- | --- |
| Attention & Working Memory | map | gait | Digit Ordering | 935 | .17( .06), <.01 \*\* | -.08( .25), =.74 | .00( .02), =.92 |
| Attention & Working Memory | map | gait | Digit Span Backward | 935 | .26( .05), <.01 \*\*\* | .48( .29), =.09 . | -.02( .03), =.47 |
| Attention & Working Memory | map | gait | Digit Span Forward | 935 | .10( .05), =.05 . | .09( .30), =.76 | .03( .03), =.27 |
| Attention & Working Memory | octo | gait | Digit Span Backward | 276 | -.30( .11), <.01 \*\* | .23( .46), =.61 | .03( .06), =.58 |
| Attention & Working Memory | octo | gait | Digit Span Forward | 276 | -.11( .08), =.20 | -.12( .18), =.51 | -.04( .04), =.31 |
| Learning & Memory | eas | gait | Logical Memory Total | 360 | .04( .12), =.73 | .54( .75), =.47 | .01( .07), =.88 |
| Learning & Memory | eas | gait | Word List Immediate | 363 | .15( .16), =.32 | .26( .76), =.73 | .04( .08), =.57 |
| Learning & Memory | elsa | gait | Word List Delayed | 2226 | .20( .04), <.01 \*\*\* | .15( .17), =.38 | -.01( .02), =.63 |
| Learning & Memory | elsa | gait | Word List Immediate | 2225 | .20( .05), <.01 \*\*\* | .25( .20), =.21 | .03( .02), =.09 . |
| Learning & Memory | hrs | gait | Word List Delayed | 370 | --- | --- | --- |
| Learning & Memory | hrs | gait | Word List Immediate | 370 | --- | --- | --- |
| Learning & Memory | lasa | gait | Word List Immediate | 782 | -.31( .18), =.08 . | -.28( .19), =.13 | -.02( .02), =.21 |
| Learning & Memory | map | gait | Boston Story Delayed | 935 | .02( .07), =.80 | .11( .23), =.64 | .04( .02), =.11 |
| Learning & Memory | map | gait | Boston Story Immediate | 935 | .07( .07), =.29 | .28( .26), =.28 | .04( .03), =.16 |
| Learning & Memory | map | gait | Logical Memory Delayed | 935 | .10( .05), =.04 \* | .40( .17), =.02 \* | .00( .02), =.92 |
| Learning & Memory | map | gait | Logical Memory Immediate | 935 | .11( .05), =.04 \* | .43( .17), =.01 \* | .04( .02), =.06 . |
| Learning & Memory | map | gait | Word List Delayed | 935 | .19( .05), <.01 \*\*\* | .73( .25), <.01 \*\* | -.02( .02), =.46 |
| Learning & Memory | map | gait | Word List Immediate | 935 | .28( .05), <.01 \*\*\* | .34( .17), =.04 \* | -.01( .02), =.80 |
| Learning & Memory | map | gait | Word Recognition | 935 | .09( .05), =.09 . | -.02( .57), =.97 | -.00( .03), =.87 |
| Learning & Memory | octo | gait | Objects Recalled | 272 | -.21( .08), =.01 \* | .01( .16), =.97 | -.12( .05), =.03 \* |
| Learning & Memory | octo | gait | Objects Recognized | 272 | -.07( .08), =.38 | .00( .14), =.98 | -.02( .05), =.74 |
| Learning & Memory | octo | gait | Prose Immediate | 269 | -.14( .12), =.26 | -.23( .08), <.01 \*\* | -.06( .04), =.13 |
| Mental Status | eas | gait | Calculated MMSE | 363 | .14( .12), =.25 | .08( .79), =.92 | -.05( .07), =.47 |
| Mental Status | map | gait | Ideas | 935 | .16( .06), =.01 \*\* | .22( .20), =.27 | .03( .02), =.26 |
| Mental Status | map | gait | MMSE | 935 | .22( .06), <.01 \*\*\* | .19( .20), =.36 | .07( .03), =.01 \*\* |
| Mental Status | octo | gait | MMSE | 276 | -.19( .14), =.16 | -.25( .24), =.29 | -.26( .15), =.07 . |
| Mental Status | octo | gait | MMSE | 276 | -.27( .11), =.01 \* | -.07( .23), =.77 | -.01( .07), =.91 |
| Perceptual Reasoning | eas | gait | Block Design | 351 | .13( .10), =.22 | .08( .36), =.82 | .03( .06), =.62 |
| Perceptual Reasoning | ilse | tug | Block Design | 225 | --- | --- | --- |
| Perceptual Reasoning | ilse | tug | IPSS Spatial Ability | 225 | --- | --- | --- |
| Perceptual Reasoning | ilse | tug | Picture Comletion | 225 | --- | --- | --- |
| Perceptual Reasoning | lasa | gait | Progressive Matrices | 782 | -.25( .15), =.10 | -.53( .18), <.01 \*\* | .03( .04), =.40 |
| Perceptual Reasoning | map | gait | Line Orientation | 935 | .26( .06), <.01 \*\*\* | -.08( .64), =.90 | .01( .02), =.54 |
| Perceptual Reasoning | map | gait | Progressive Matrices | 935 | .24( .06), <.01 \*\*\* | .01( .30), =.97 | .01( .03), =.83 |
| Perceptual Reasoning | octo | gait | Block Design | 273 | -.44( .13), <.01 \*\*\* | -.49( .62), =.42 | -.15( .05), <.01 \*\* |
| Perceptual Reasoning | octo | gait | Figure Logic | 270 | -.45( .21), =.04 \* | .15( .45), =.74 | -.06( .07), =.44 |
| Processing Speed | eas | gait | Symbol | 363 | .21( .10), =.04 \* | .66( .24), =.01 \*\* | .00( .07), =.95 |
| Processing Speed | ilse | tug | Symbol | 225 | --- | --- | --- |
| Processing Speed | lasa | gait | Coding | 782 | -.32( .12), =.01 \*\* | -.24( .11), =.02 \* | -.05( .02), =.02 \* |
| Processing Speed | map | gait | Number Comparison | 935 | .11( .05), =.02 \* | .29( .23), =.20 | .06( .02), =.02 \* |
| Processing Speed | map | gait | Symbol | 935 | .23( .04), <.01 \*\*\* | .09( .16), =.59 | .06( .03), =.03 \* |
| Processing Speed | octo | gait | Perceptual Speed | 262 | -.24( .29), =.41 | -.76( .64), =.24 | -.08( .07), =.26 |
| Processing Speed | octo | gait | Symbol | 266 | -.37( .14), =.01 \*\* | -.42( .44), =.35 | -.12( .08), =.13 |
| Verbal Ability | eas | gait | Boston Naming Test | 363 | -.02( .14), =.86 | .02(1.08), =.98 | .04( .08), =.59 |
| Verbal Ability | eas | gait | Categories | 363 | .10( .11), =.40 | .33( .45), =.46 | .01( .08), =.87 |
| Verbal Ability | eas | gait | FAS | 361 | .35( .10), <.01 \*\*\* | .81( .47), =.09 . | -.02( .08), =.81 |
| Verbal Ability | eas | gait | Vocabulary | 363 | .29( .12), =.01 \* | 1.00(1.16), =.39 | -.02( .07), =.81 |
| Verbal Ability | elsa | gait | Fluency | 2226 | .20( .04), <.01 \*\*\* | .17( .13), =.20 | .04( .02), =.09 . |
| Verbal Ability | ilse | tug | Fluency | 225 | --- | --- | --- |
| Verbal Ability | ilse | tug | Information | 225 | --- | --- | --- |
| Verbal Ability | map | gait | Boston Naming Test | 935 | .18( .04), <.01 \*\*\* | .28( .17), =.11 | -.01( .02), =.69 |
| Verbal Ability | map | gait | Categories | 935 | .18( .05), <.01 \*\*\* | .39( .17), =.02 \* | -.02( .02), =.32 |
| Verbal Ability | map | gait | NART | 933 | .09( .04), =.05 \* | -.10( .22), =.65 | .08( .03), <.01 \*\* |
| Verbal Ability | octo | gait | Information | 275 | -.10( .09), =.25 | .04( .08), =.61 | -.05( .04), =.17 |
| Verbal Ability | octo | gait | Synonyms | 268 | -.10( .15), =.51 | -.48( .48), =.31 | -.14( .07), =.04 \* |

# Grouped by study

## male

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| domain | study | physical | cognitive |  | Corr(Levels)Est | Corr(Slopes)Est | Corr(Residuals)Est |
| Attention & Working Memory | eas | gait | Digit Span Total | 222 | .17( .17), =.33 | .39(1.04), =.71 | -.06( .10), =.56 |
| Attention & Working Memory | eas | gait | Trials B | 221 | -.27( .20), =.18 | -.67(1.44), =.64 | .17( .10), =.10 . |
| Learning & Memory | eas | gait | Logical Memory Total | 218 | .21( .19), =.26 | .09( .76), =.90 | -.03( .10), =.77 |
| Learning & Memory | eas | gait | Word List Immediate | 222 | .17( .20), =.39 | .13(1.20), =.92 | .09( .08), =.26 |
| Mental Status | eas | gait | Calculated MMSE | 222 | .34( .25), =.17 | -.50(2.74), =.85 | -.03( .11), =.79 |
| Perceptual Reasoning | eas | gait | Block Design | 210 | .33( .15), =.02 \* | .31(1.70), =.85 | -.08( .08), =.34 |
| Processing Speed | eas | gait | Symbol | 221 | .39( .14), =.01 \*\* | .67( .85), =.43 | -.01( .09), =.91 |
| Verbal Ability | eas | gait | Boston Naming Test | 222 | .19( .18), =.29 | -.04(3.45), =.99 | .02( .08), =.76 |
| Verbal Ability | eas | gait | Categories | 222 | .31( .16), =.05 . | .78( .72), =.28 | .00( .09), =.98 |
| Verbal Ability | eas | gait | FAS | 222 | .15( .16), =.37 | .56(1.22), =.65 | .02( .10), =.85 |
| Verbal Ability | eas | gait | Vocabulary | 222 | .04( .17), =.81 | -.34(1.82), =.85 | -.06( .10), =.54 |
| Learning & Memory | elsa | gait | Word List Delayed | 1947 | .23( .04), <.01 \*\*\* | -.18( .28), =.52 | .04( .02), =.04 \* |
| Learning & Memory | elsa | gait | Word List Immediate | 1947 | .22( .05), <.01 \*\*\* | -.11( .20), =.59 | -.01( .02), =.48 |
| Verbal Ability | elsa | gait | Fluency | 1947 | .23( .04), <.01 \*\*\* | .16( .15), =.29 | -.02( .02), =.34 |
| Attention & Working Memory | hrs | gait | Serial 7s | 318 | --- | --- | --- |
| Learning & Memory | hrs | gait | Word List Delayed | 318 | --- | --- | --- |
| Learning & Memory | hrs | gait | Word List Immediate | 318 | --- | --- | --- |
| Perceptual Reasoning | ilse | tug | Block Design | 252 | --- | --- | --- |
| Perceptual Reasoning | ilse | tug | IPSS Spatial Ability | 252 | --- | --- | --- |
| Perceptual Reasoning | ilse | tug | Picture Comletion | 252 | --- | --- | --- |
| Processing Speed | ilse | tug | Symbol | 252 | --- | --- | --- |
| Verbal Ability | ilse | tug | Information | 252 | --- | --- | --- |
| Learning & Memory | lasa | gait | Word List Immediate | 800 | -.27( .20), =.17 | .10( .49), =.85 | -.01( .03), =.77 |
| Perceptual Reasoning | lasa | gait | Progressive Matrices | 800 | -.23( .19), =.23 | -.23( .16), =.15 | .02( .03), =.38 |
| Processing Speed | lasa | gait | Coding | 800 | -.30( .21), =.15 | -.32( .14), =.02 \* | -.03( .04), =.43 |
| Attention & Working Memory | map | gait | Digit Ordering | 320 | .14( .10), =.19 | -.31(1.18), =.79 | -.00( .04), =.92 |
| Attention & Working Memory | map | gait | Digit Span Backward | 321 | .26( .10), =.01 \*\* | .24( .58), =.68 | .00( .04), =.96 |
| Attention & Working Memory | map | gait | Digit Span Forward | 321 | .17( .09), =.07 . | .30( .78), =.70 | .01( .04), =.77 |
| Learning & Memory | map | gait | Boston Story Delayed | 321 | .39( .12), <.01 \*\*\* | .67(1.71), =.70 | -.05( .04), =.13 |
| Learning & Memory | map | gait | Boston Story Immediate | 321 | .36( .12), <.01 \*\* | .73( .94), =.44 | -.07( .04), =.06 . |
| Learning & Memory | map | gait | Logical Memory Delayed | 321 | .24( .09), =.01 \*\* | .50( .35), =.15 | -.02( .04), =.62 |
| Learning & Memory | map | gait | Logical Memory Immediate | 321 | .22( .11), =.04 \* | .78(1.12), =.49 | -.02( .04), =.68 |
| Learning & Memory | map | gait | Word List Delayed | 321 | .29( .08), <.01 \*\*\* | .74( .50), =.14 | -.02( .04), =.65 |
| Learning & Memory | map | gait | Word List Immediate | 321 | .22( .10), =.03 \* | .62( .54), =.25 | .02( .04), =.68 |
| Learning & Memory | map | gait | Word Recognition | 321 | .07( .10), =.49 | -.15( .35), =.67 | .04( .05), =.37 |
| Mental Status | map | gait | Ideas | 321 | .18( .08), =.03 \* | -.18( .23), =.44 | .01( .05), =.79 |
| Mental Status | map | gait | MMSE | 321 | .48( .10), <.01 \*\*\* | .29( .46), =.53 | .03( .04), =.50 |
| Perceptual Reasoning | map | gait | Line Orientation | 321 | .15( .09), =.09 . | -.66( .67), =.32 | .08( .04), =.06 . |
| Perceptual Reasoning | map | gait | Progressive Matrices | 321 | .36( .11), <.01 \*\*\* | .64( .64), =.32 | .11( .04), =.01 \*\* |
| Processing Speed | map | gait | Number Comparison | 321 | .22( .08), =.01 \*\* | -.40( .40), =.32 | .07( .04), =.06 . |
| Processing Speed | map | gait | Symbol | 321 | .46( .07), <.01 \*\*\* | -.33( .40), =.41 | .09( .05), =.06 . |
| Verbal Ability | map | gait | Boston Naming Test | 321 | .31( .07), <.01 \*\*\* | -.63( .77), =.41 | -.03( .04), =.48 |
| Verbal Ability | map | gait | Categories | 321 | .38( .08), <.01 \*\*\* | .74( .36), =.04 \* | .04( .04), =.38 |
| Verbal Ability | map | gait | NART | 321 | .19( .08), =.02 \* | .26( .48), =.58 | .02( .04), =.70 |
| Attention & Working Memory | octo | gait | Digit Span Backward | 139 | -.22( .22), =.32 | -.59( .88), =.51 | -.04( .11), =.69 |
| Attention & Working Memory | octo | gait | Digit Span Forward | 139 | -.17( .18), =.34 | -.56( .69), =.42 | -.06( .07), =.41 |
| Learning & Memory | octo | gait | Objects Recalled | 137 | -.57( .16), <.01 \*\*\* | -.18( .47), =.70 | -.05( .08), =.54 |
| Learning & Memory | octo | gait | Objects Recognized | 137 | -.35( .29), =.21 | -.34( .64), =.59 | -.11( .06), =.05 . |
| Learning & Memory | octo | gait | Prose Immediate | 139 | -.36( .21), =.09 . | -.05(3.62), =.99 | .11( .15), =.45 |
| Mental Status | octo | gait | MMSE | 137 | -.41( .25), =.10 . | -.15(1.26), =.91 | -.16( .06), =.01 \*\* |
| Mental Status | octo | gait | MMSE | 140 | -.48( .30), =.11 | -.42( .61), =.49 | -.12( .08), =.12 |
| Perceptual Reasoning | octo | gait | Block Design | 137 | -.40( .14), <.01 \*\* | -.73(2.52), =.77 | -.10( .09), =.28 |
| Perceptual Reasoning | octo | gait | Figure Logic | 135 | -.46( .23), =.05 . | .02(1.57), =.99 | -.04( .10), =.68 |
| Processing Speed | octo | gait | Perceptual Speed | 131 | -.30( .28), =.27 | -.48( .74), =.51 | .02( .11), =.82 |
| Processing Speed | octo | gait | Symbol | 134 | -.46( .14), <.01 \*\* | .00(1.01), =.99 | -.23( .09), =.01 \* |
| Verbal Ability | octo | gait | Information | 140 | -.21( .14), =.13 | -.14( .60), =.82 | -.11( .09), =.25 |
| Verbal Ability | octo | gait | Synonyms | 134 | -.09( .16), =.56 | -.63(1.90), =.74 | -.06( .08), =.44 |

## female

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| domain | study | physical | cognitive |  | Corr(Levels)Est | Corr(Slopes)Est | Corr(Residuals)Est |
| Attention & Working Memory | eas | gait | Digit Span Total | 363 | .24( .11), =.03 \* | .74( .40), =.06 . | -.02( .07), =.79 |
| Attention & Working Memory | eas | gait | Trials B | 362 | -.01( .12), =.96 | .18( .36), =.61 | -.01( .08), =.86 |
| Learning & Memory | eas | gait | Logical Memory Total | 360 | .04( .12), =.73 | .54( .75), =.47 | .01( .07), =.88 |
| Learning & Memory | eas | gait | Word List Immediate | 363 | .15( .16), =.32 | .26( .76), =.73 | .04( .08), =.57 |
| Mental Status | eas | gait | Calculated MMSE | 363 | .14( .12), =.25 | .08( .79), =.92 | -.05( .07), =.47 |
| Perceptual Reasoning | eas | gait | Block Design | 351 | .13( .10), =.22 | .08( .36), =.82 | .03( .06), =.62 |
| Processing Speed | eas | gait | Symbol | 363 | .21( .10), =.04 \* | .66( .24), =.01 \*\* | .00( .07), =.95 |
| Verbal Ability | eas | gait | Boston Naming Test | 363 | -.02( .14), =.86 | .02(1.08), =.98 | .04( .08), =.59 |
| Verbal Ability | eas | gait | Categories | 363 | .10( .11), =.40 | .33( .45), =.46 | .01( .08), =.87 |
| Verbal Ability | eas | gait | FAS | 361 | .35( .10), <.01 \*\*\* | .81( .47), =.09 . | -.02( .08), =.81 |
| Verbal Ability | eas | gait | Vocabulary | 363 | .29( .12), =.01 \* | 1.00(1.16), =.39 | -.02( .07), =.81 |
| Learning & Memory | elsa | gait | Word List Delayed | 2226 | .20( .04), <.01 \*\*\* | .15( .17), =.38 | -.01( .02), =.63 |
| Learning & Memory | elsa | gait | Word List Immediate | 2225 | .20( .05), <.01 \*\*\* | .25( .20), =.21 | .03( .02), =.09 . |
| Verbal Ability | elsa | gait | Fluency | 2226 | .20( .04), <.01 \*\*\* | .17( .13), =.20 | .04( .02), =.09 . |
| Attention & Working Memory | hrs | gait | Serial 7s | 370 | --- | --- | --- |
| Learning & Memory | hrs | gait | Word List Delayed | 370 | --- | --- | --- |
| Learning & Memory | hrs | gait | Word List Immediate | 370 | --- | --- | --- |
| Perceptual Reasoning | ilse | tug | Block Design | 225 | --- | --- | --- |
| Perceptual Reasoning | ilse | tug | IPSS Spatial Ability | 225 | --- | --- | --- |
| Perceptual Reasoning | ilse | tug | Picture Comletion | 225 | --- | --- | --- |
| Processing Speed | ilse | tug | Symbol | 225 | --- | --- | --- |
| Verbal Ability | ilse | tug | Fluency | 225 | --- | --- | --- |
| Verbal Ability | ilse | tug | Information | 225 | --- | --- | --- |
| Learning & Memory | lasa | gait | Word List Immediate | 782 | -.31( .18), =.08 . | -.28( .19), =.13 | -.02( .02), =.21 |
| Perceptual Reasoning | lasa | gait | Progressive Matrices | 782 | -.25( .15), =.10 | -.53( .18), <.01 \*\* | .03( .04), =.40 |
| Processing Speed | lasa | gait | Coding | 782 | -.32( .12), =.01 \*\* | -.24( .11), =.02 \* | -.05( .02), =.02 \* |
| Attention & Working Memory | map | gait | Digit Ordering | 935 | .17( .06), <.01 \*\* | -.08( .25), =.74 | .00( .02), =.92 |
| Attention & Working Memory | map | gait | Digit Span Backward | 935 | .26( .05), <.01 \*\*\* | .48( .29), =.09 . | -.02( .03), =.47 |
| Attention & Working Memory | map | gait | Digit Span Forward | 935 | .10( .05), =.05 . | .09( .30), =.76 | .03( .03), =.27 |
| Learning & Memory | map | gait | Boston Story Delayed | 935 | .02( .07), =.80 | .11( .23), =.64 | .04( .02), =.11 |
| Learning & Memory | map | gait | Boston Story Immediate | 935 | .07( .07), =.29 | .28( .26), =.28 | .04( .03), =.16 |
| Learning & Memory | map | gait | Logical Memory Delayed | 935 | .10( .05), =.04 \* | .40( .17), =.02 \* | .00( .02), =.92 |
| Learning & Memory | map | gait | Logical Memory Immediate | 935 | .11( .05), =.04 \* | .43( .17), =.01 \* | .04( .02), =.06 . |
| Learning & Memory | map | gait | Word List Delayed | 935 | .19( .05), <.01 \*\*\* | .73( .25), <.01 \*\* | -.02( .02), =.46 |
| Learning & Memory | map | gait | Word List Immediate | 935 | .28( .05), <.01 \*\*\* | .34( .17), =.04 \* | -.01( .02), =.80 |
| Learning & Memory | map | gait | Word Recognition | 935 | .09( .05), =.09 . | -.02( .57), =.97 | -.00( .03), =.87 |
| Mental Status | map | gait | Ideas | 935 | .16( .06), =.01 \*\* | .22( .20), =.27 | .03( .02), =.26 |
| Mental Status | map | gait | MMSE | 935 | .22( .06), <.01 \*\*\* | .19( .20), =.36 | .07( .03), =.01 \*\* |
| Perceptual Reasoning | map | gait | Line Orientation | 935 | .26( .06), <.01 \*\*\* | -.08( .64), =.90 | .01( .02), =.54 |
| Perceptual Reasoning | map | gait | Progressive Matrices | 935 | .24( .06), <.01 \*\*\* | .01( .30), =.97 | .01( .03), =.83 |
| Processing Speed | map | gait | Number Comparison | 935 | .11( .05), =.02 \* | .29( .23), =.20 | .06( .02), =.02 \* |
| Processing Speed | map | gait | Symbol | 935 | .23( .04), <.01 \*\*\* | .09( .16), =.59 | .06( .03), =.03 \* |
| Verbal Ability | map | gait | Boston Naming Test | 935 | .18( .04), <.01 \*\*\* | .28( .17), =.11 | -.01( .02), =.69 |
| Verbal Ability | map | gait | Categories | 935 | .18( .05), <.01 \*\*\* | .39( .17), =.02 \* | -.02( .02), =.32 |
| Verbal Ability | map | gait | NART | 933 | .09( .04), =.05 \* | -.10( .22), =.65 | .08( .03), <.01 \*\* |
| Attention & Working Memory | octo | gait | Digit Span Backward | 276 | -.30( .11), <.01 \*\* | .23( .46), =.61 | .03( .06), =.58 |
| Attention & Working Memory | octo | gait | Digit Span Forward | 276 | -.11( .08), =.20 | -.12( .18), =.51 | -.04( .04), =.31 |
| Learning & Memory | octo | gait | Objects Recalled | 272 | -.21( .08), =.01 \* | .01( .16), =.97 | -.12( .05), =.03 \* |
| Learning & Memory | octo | gait | Objects Recognized | 272 | -.07( .08), =.38 | .00( .14), =.98 | -.02( .05), =.74 |
| Learning & Memory | octo | gait | Prose Immediate | 269 | -.14( .12), =.26 | -.23( .08), <.01 \*\* | -.06( .04), =.13 |
| Mental Status | octo | gait | MMSE | 276 | -.19( .14), =.16 | -.25( .24), =.29 | -.26( .15), =.07 . |
| Mental Status | octo | gait | MMSE | 276 | -.27( .11), =.01 \* | -.07( .23), =.77 | -.01( .07), =.91 |
| Perceptual Reasoning | octo | gait | Block Design | 273 | -.44( .13), <.01 \*\*\* | -.49( .62), =.42 | -.15( .05), <.01 \*\* |
| Perceptual Reasoning | octo | gait | Figure Logic | 270 | -.45( .21), =.04 \* | .15( .45), =.74 | -.06( .07), =.44 |
| Processing Speed | octo | gait | Perceptual Speed | 262 | -.24( .29), =.41 | -.76( .64), =.24 | -.08( .07), =.26 |
| Processing Speed | octo | gait | Symbol | 266 | -.37( .14), =.01 \*\* | -.42( .44), =.35 | -.12( .08), =.13 |
| Verbal Ability | octo | gait | Information | 275 | -.10( .09), =.25 | .04( .08), =.61 | -.05( .04), =.17 |
| Verbal Ability | octo | gait | Synonyms | 268 | -.10( .15), =.51 | -.48( .48), =.31 | -.14( .07), =.04 \* |

# Session Information

For the sake of documentation and reproducibility, the current report was rendered on a system using the following software.

Report rendered by koval\_000 at 2017-07-08, 16:11 -0400

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] grid stats graphics grDevices utils datasets methods base   
  
other attached packages:  
[1] forestplot\_1.7 checkmate\_1.8.2 ggplot2\_2.2.1 magrittr\_1.5 knitr\_1.15.1   
  
loaded via a namespace (and not attached):  
 [1] Rcpp\_0.12.9 munsell\_0.4.3 testit\_0.6 colorspace\_1.3-2 R6\_2.2.0 highr\_0.6   
 [7] plyr\_1.8.4 stringr\_1.1.0 dplyr\_0.5.0 tools\_3.3.2 DT\_0.2 gtable\_0.2.0   
[13] DBI\_0.5-1 htmltools\_0.3.5 yaml\_2.1.14 lazyeval\_0.2.0 assertthat\_0.1 rprojroot\_1.2   
[19] digest\_0.6.12 tibble\_1.2 readr\_1.0.0 tidyr\_0.6.1 htmlwidgets\_0.8 rsconnect\_0.7   
[25] evaluate\_0.10 rmarkdown\_1.3 stringi\_1.1.2 scales\_0.4.1 backports\_1.0.5 jsonlite\_1.2