BISR: gait

Date: 2016-12-05

## Legend

* Cov(Slopes) = raw covariance
* Corr(Slopes)Est = correlation , ESTimated in Mplus
* CI(Slopes)Est = Confidence intervals estimated in Mplus
* Corr(Slopes)Comp = correlation, computed outside of Mplus

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

Raw covariance and estimated 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

Confidence intervals for estimated correlations are reported in the form: (low,high) where - low - bottom boundry of the 95% confidence interval - high - top boundry of the 95% confidence interval

Computed correlations are reported in the form: est(low, high)  
where  
- est is the correlation coefficient computed from raw (co)variances using Fisher transfrom  
- low and high are the 95% confidence intervals associated with the computed correlations

# Group by domain

## male

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| domain | study | physical | cognitive |  | Cov(Levels) | Corr(Levels)Est | CI(Levels)Est | Corr(Levels)Comp | Cov(Slopes) | Corr(Slopes)Est | CI(Slopes)Est | Corr(Slopes)Comp | Cov(Residuals) | Corr(Resid)Est | CI(Resid)Est | Corr(Residuals)Comp |
| attention | map | gait | digit\_f | 321 | .03( .02), =.07 . | .17( .09), =.07 . | (-.01, .36) | .17( .06, .28) | .00( .00), =.69 | .30( .78), =.70 | (-1.23,1.82) | .29( .19, .39) | .00( .01), =.77 | .01( .04), =.77 | (-.07, .09) | .01(-.10, .12) |
| attention | octo | gait | digit\_f | 139 | -.31( .31), =.31 | -.17( .17), =.31 | (-.51, .16) | -.17(-.33,-.01) | -.01( .01), =.34 | -.56( .64), =.39 | (-1.82, .71) | -.55(-.66,-.43) | -.10( .13), =.41 | -.06( .07), =.40 | (-.19, .08) | -.06(-.22, .11) |
| attention | hrs | gait | serial7 | 318 | .05( .02), <.01 \*\* | --- | --- | .31( .21, .41) | .00( .00), =.01 \*\* | --- | --- | .48( .39, .56) | .00( .01), =.98 | --- | --- | .00(-.11, .11) |
| episodic memory | map | gait | bstory\_de | 321 | .07( .02), <.01 \*\* | .39( .12), <.01 \*\*\* | ( .15, .63) | .39( .29, .48) | .00( .00), =.41 | .67(1.71), =.70 | (-2.69,4.03) | .52( .43, .59) | -.01( .01), =.14 | -.05( .04), =.13 | (-.12, .02) | -.06(-.16, .05) |
| episodic memory | map | gait | logic\_de | 321 | .11( .04), =.01 \*\* | .24( .09), =.01 \*\* | ( .06, .42) | .24( .14, .34) | .01( .00), =.11 | .50( .35), =.15 | (-.19,1.18) | .35( .25, .44) | -.01( .01), =.62 | -.02( .04), =.62 | (-.10, .06) | -.02(-.13, .09) |
| episodic memory | eas | gait | logic\_tot | 218 | 20.53(18.13), =.26 | .21( .19), =.26 | (-.15, .58) | .21( .08, .34) | .10( .82), =.90 | .09( .76), =.90 | (-1.39,1.58) | .09(-.04, .22) | -.92(3.23), =.78 | -.03( .10), =.77 | (-.22, .16) | -.03(-.16, .11) |
| episodic memory | elsa | gait | word\_de | 1947 | .06( .01), <.01 \*\*\* | .23( .04), <.01 \*\*\* | ( .15, .31) | .23( .18, .27) | .00( .00), =.49 | -.18( .28), =.52 | (-.74, .37) | --- | .01( .00), =.04 \* | .04( .02), =.04 \* | ( .00, .08) | .04(-.00, .09) |
| episodic memory | hrs | gait | word\_de | 318 | .01( .02), =.65 | --- | --- | .05(-.06, .16) | .00( .00), =.96 | --- | --- | .00(-.11, .11) | .00( .01), =.60 | --- | --- | .02(-.09, .13) |
| episodic memory | map | gait | word\_de | 321 | .06( .02), <.01 \*\* | .29( .08), <.01 \*\*\* | ( .13, .46) | .29( .19, .39) | .00( .00), =.13 | .74( .50), =.14 | (-.24,1.73) | .64( .57, .70) | -.00( .01), =.65 | -.02( .04), =.65 | (-.10, .06) | -.02(-.13, .09) |
| episodic memory | map | gait | word\_rec | 321 | .01( .01), =.49 | .07( .10), =.49 | (-.13, .27) | .07(-.04, .18) | -.00( .00), =.65 | -.15( .35), =.67 | (-.83, .53) | -.18(-.29,-.07) | .00( .00), =.36 | .04( .05), =.37 | (-.05, .14) | .04(-.07, .15) |
| executive function | eas | gait | trailsb | 221 | -225.90(171.18), =.19 | -.27( .20), =.18 | (-.66, .12) | -.27(-.39,-.14) | -7.09(13.23), =.59 | -.67(1.44), =.64 | (-3.49,2.15) | -.67(-.73,-.59) | 57.56(34.95), =.10 . | .17( .10), =.10 . | (-.03, .37) | .17( .04, .30) |
| fluency | eas | gait | categories | 222 | 44.15(25.45), =.08 . | .31( .16), =.05 . | (-.00, .63) | .31( .19, .43) | 1.74(1.19), =.14 | .78( .72), =.28 | (-.64,2.19) | .78( .72, .82) | .06(3.21), =.98 | .00( .09), =.98 | (-.17, .17) | .00(-.13, .13) |
| fluency | map | gait | categories | 321 | .39( .09), <.01 \*\*\* | .38( .08), <.01 \*\*\* | ( .23, .54) | .39( .29, .48) | .02( .01), =.04 \* | .74( .36), =.04 \* | ( .03,1.45) | .56( .48, .63) | .02( .03), =.38 | .04( .04), =.38 | (-.04, .11) | .04(-.07, .14) |
| fluency | eas | gait | fas | 222 | 26.13(28.93), =.37 | .15( .16), =.37 | (-.17, .47) | .15( .02, .27) | .81(1.55), =.60 | .56(1.22), =.65 | (-1.84,2.95) | .55( .46, .64) | .86(4.62), =.85 | .02( .10), =.85 | (-.17, .21) | .02(-.11, .15) |
| fluency | elsa | gait | fluency | 1947 | .20( .03), <.01 \*\*\* | .23( .04), <.01 \*\*\* | ( .15, .31) | .23( .18, .27) | .00( .00), =.28 | .16( .15), =.29 | (-.14, .46) | --- | -.01( .01), =.34 | -.02( .02), =.34 | (-.06, .02) | -.02(-.06, .02) |
| fluid reasoning | eas | gait | block | 210 | 45.46(19.66), =.02 \* | .33( .15), =.02 \* | ( .04, .62) | .33( .20, .44) | .22(1.21), =.86 | .31(1.70), =.85 | (-3.01,3.64) | .31( .19, .43) | -3.20(3.46), =.35 | -.08( .08), =.34 | (-.24, .08) | -.08(-.21, .06) |
| fluid reasoning | ilse | tug | block | 252 | -1.75(1.14), =.12 | --- | --- | -.43(-.53,-.33) | .00( .02), =.90 | --- | --- | .13( .01, .25) | .25( .53), =.64 | --- | --- | .04(-.08, .17) |
| fluid reasoning | octo | gait | block | 137 | -4.56(1.84), =.01 \* | -.40( .13), <.01 \*\* | (-.66,-.13) | -.40(-.53,-.24) | -.04( .09), =.68 | -.73(2.42), =.76 | (-5.48,4.02) | -.74(-.81,-.65) | -.78( .73), =.28 | -.10( .09), =.27 | (-.29, .08) | -.10(-.27, .07) |
| fluid reasoning | map | gait | matrices | 321 | .09( .03), <.01 \*\* | .36( .11), <.01 \*\*\* | ( .14, .58) | .36( .26, .45) | .00( .00), =.36 | .64( .64), =.32 | (-.61,1.89) | .44( .34, .52) | .03( .01), =.01 \*\* | .11( .04), =.01 \*\* | ( .03, .19) | .11(-.00, .22) |
| fluid reasoning | lasa | gait | raven | 800 | -.70( .37), =.06 . | -.23( .19), =.23 | (-.61, .14) | -.23(-.30,-.16) | -.01( .01), =.07 . | -.23( .16), =.15 | (-.55, .08) | -.24(-.31,-.18) | .15( .16), =.36 | .02( .03), =.38 | (-.03, .08) | .02(-.04, .09) |
| fluid reasoning | ilse | tug | spatial\_ab | 252 | -1.18( .78), =.13 | --- | --- | -.41(-.51,-.30) | -.00( .01), =.85 | --- | --- | -.12(-.24, .01) | .18( .39), =.64 | --- | --- | .05(-.08, .17) |
| mental status | eas | gait | mmse | 222 | 6.09(4.61), =.19 | .34( .25), =.17 | (-.15, .84) | .34( .22, .46) | -.06( .30), =.84 | -.50(2.74), =.85 | (-5.87,4.87) | -.52(-.61,-.41) | -.25( .95), =.79 | -.03( .11), =.79 | (-.24, .18) | -.03(-.16, .10) |
| mental status | map | gait | mmse | 321 | .10( .03), <.01 \*\*\* | .48( .10), <.01 \*\*\* | ( .29, .67) | .49( .40, .57) | .00( .00), =.49 | .29( .46), =.53 | (-.62,1.20) | .22( .11, .32) | .01( .01), =.50 | .03( .04), =.50 | (-.05, .11) | .03(-.08, .14) |
| mental status | hrs | gait | tics | 318 | .02( .01), =.03 \* | --- | --- | .41( .32, .50) | .00( .00), =.60 | --- | --- | .00(-.11, .11) | -.00( .01), =.76 | --- | --- | -.01(-.12, .10) |
| perceptual speed | lasa | gait | letter | 800 | -1.88( .56), <.01 \*\*\* | -.30( .21), =.15 | (-.72, .11) | -.31(-.37,-.24) | -.04( .01), =.02 \* | -.32( .14), =.02 \* | (-.58,-.05) | -.32(-.38,-.25) | -.22( .28), =.43 | -.03( .04), =.43 | (-.11, .05) | -.03(-.10, .04) |
| perceptual speed | map | gait | num\_comp | 321 | .17( .06), =.01 \*\* | .22( .08), =.01 \*\* | ( .06, .37) | .22( .11, .32) | -.00( .00), =.28 | -.40( .40), =.32 | (-1.19, .39) | --- | .04( .02), =.06 . | .07( .04), =.06 . | (-.00, .15) | .07(-.04, .18) |
| perceptual speed | eas | gait | symbol | 221 | 68.90(26.04), =.01 \*\* | .39( .14), =.01 \*\* | ( .10, .67) | .39( .27, .49) | 1.59(1.33), =.23 | .67( .85), =.43 | (-.99,2.33) | .67( .59, .74) | -.48(4.28), =.91 | -.01( .09), =.91 | (-.19, .17) | -.01(-.14, .12) |
| perceptual speed | ilse | tug | symbol | 252 | -2.28(1.38), =.10 . | --- | --- | -.47(-.56,-.37) | -.01( .02), =.68 | --- | --- | -.42(-.52,-.31) | -.49( .46), =.28 | --- | --- | -.09(-.21, .03) |
| perceptual speed | map | gait | symbol | 321 | .53( .09), <.01 \*\*\* | .46( .07), <.01 \*\*\* | ( .32, .60) | .45( .36, .54) | -.01( .01), =.35 | -.33( .40), =.41 | (-1.12, .45) | --- | .06( .03), =.06 . | .09( .05), =.06 . | (-.00, .18) | .09(-.02, .20) |
| perceptual speed | octo | gait | symbol | 134 | -7.59(2.84), =.01 \*\* | -.46( .14), <.01 \*\*\* | (-.73,-.18) | -.46(-.58,-.31) | .00( .11), =.99 | .00( .98), =.99 | (-1.93,1.93) | .01(-.16, .18) | -2.51(1.18), =.03 \* | -.23( .09), =.01 \* | (-.42,-.05) | -.23(-.39,-.07) |
| semantic memory | eas | gait | bnt | 222 | 6.14(6.14), =.32 | .19( .18), =.29 | (-.16, .54) | .19( .06, .31) | -.00( .42), =.99 | -.04(3.45), =.99 | (-6.80,6.73) | -.04(-.17, .09) | .29( .95), =.76 | .02( .08), =.76 | (-.13, .18) | .02(-.11, .16) |
| semantic memory | map | gait | bnt | 321 | .04( .02), =.01 \*\* | .31( .07), <.01 \*\*\* | ( .17, .45) | .31( .20, .40) | -.00( .00), =.31 | -.63( .77), =.41 | (-2.13, .87) | -.41(-.50,-.31) | -.00( .00), =.48 | -.03( .04), =.48 | (-.12, .06) | -.03(-.14, .08) |
| semantic memory | map | gait | nart | 321 | .05( .02), =.03 \* | .19( .08), =.02 \* | ( .03, .36) | .19( .09, .30) | .00( .00), =.56 | .26( .48), =.58 | (-.67,1.20) | .22( .12, .33) | .00( .00), =.70 | .02( .04), =.70 | (-.06, .10) | .02(-.09, .13) |
| semantic memory | ilse | tug | waisgeneral | 252 | -.41( .47), =.38 | --- | --- | -.24(-.35,-.12) | -.00( .01), =.80 | --- | --- | -.27(-.38,-.15) | -.20( .19), =.29 | --- | --- | -.09(-.21, .04) |
| semantic memory | eas | gait | waisvocab | 222 | 6.94(29.02), =.81 | .04( .17), =.81 | (-.30, .38) | .04(-.09, .17) | -.34(1.69), =.84 | -.34(1.82), =.85 | (-3.90,3.22) | -.34(-.45,-.22) | -3.81(6.28), =.54 | -.06( .10), =.54 | (-.26, .14) | -.06(-.19, .07) |
| short-term memory | map | gait | bstory\_im | 321 | .05( .02), <.01 \*\* | .36( .12), <.01 \*\* | ( .12, .60) | .36( .26, .45) | .00( .00), =.23 | .73( .94), =.44 | (-1.12,2.58) | .65( .59, .71) | -.01( .01), =.06 . | -.07( .04), =.06 . | (-.14, .00) | -.07(-.18, .04) |
| short-term memory | eas | gait | digit\_tot | 222 | 9.48(9.98), =.34 | .17( .17), =.33 | (-.17, .50) | .17( .04, .29) | .18( .40), =.66 | .39(1.04), =.71 | (-1.65,2.44) | .39( .28, .50) | -.86(1.49), =.56 | -.06( .10), =.56 | (-.24, .13) | -.06(-.19, .08) |
| short-term memory | map | gait | logic\_im | 321 | .08( .04), =.04 \* | .22( .11), =.04 \* | ( .00, .43) | .22( .11, .32) | .00( .00), =.36 | .78(1.12), =.49 | (-1.42,2.97) | .63( .56, .69) | -.01( .01), =.68 | -.02( .04), =.68 | (-.10, .06) | -.02(-.13, .09) |
| short-term memory | eas | gait | word\_im | 222 | 11.33(13.26), =.39 | .17( .20), =.39 | (-.22, .57) | .17( .04, .30) | .09( .88), =.92 | .13(1.20), =.92 | (-2.22,2.48) | .13(-.00, .25) | 2.95(2.69), =.27 | .09( .08), =.26 | (-.07, .25) | .09(-.04, .22) |
| short-term memory | elsa | gait | word\_im | 1947 | .04( .01), <.01 \*\*\* | .22( .05), <.01 \*\*\* | ( .13, .32) | .23( .18, .27) | .00( .00), =.58 | -.11( .20), =.59 | (-.49, .28) | --- | -.00( .00), =.49 | -.01( .02), =.48 | (-.06, .03) | -.01(-.06, .03) |
| short-term memory | hrs | gait | word\_im | 318 | .03( .02), =.03 \* | --- | --- | .27( .17, .37) | .00( .00), =.74 | --- | --- | .00(-.11, .11) | .00( .01), =.82 | --- | --- | .01(-.10, .12) |
| short-term memory | lasa | gait | word\_im | 800 | -1.12( .58), =.05 . | -.27( .20), =.17 | (-.65, .11) | -.27(-.33,-.20) | .00( .02), =.85 | .10( .49), =.85 | (-.87,1.06) | .11( .04, .17) | -.08( .29), =.77 | -.01( .03), =.77 | (-.06, .04) | -.01(-.08, .06) |
| short-term memory | map | gait | word\_im | 321 | .07( .04), =.04 \* | .22( .10), =.03 \* | ( .02, .41) | .21( .11, .32) | .00( .00), =.24 | .62( .54), =.25 | (-.44,1.68) | .48( .39, .56) | .01( .01), =.69 | .02( .04), =.68 | (-.07, .10) | .02(-.09, .13) |
| verbal comprehension | map | gait | ideas | 321 | .01( .01), =.15 | .18( .08), =.03 \* | ( .02, .34) | .18( .08, .29) | -.00( .00), =.46 | -.18( .23), =.44 | (-.62, .27) | -.20(-.30,-.09) | .00( .00), =.80 | .01( .05), =.79 | (-.08, .10) | .02(-.09, .13) |
| visual discrimination | map | gait | line | 321 | .04( .02), =.10 . | .15( .09), =.09 . | (-.02, .32) | .15( .04, .25) | -.00( .00), =.22 | -.66( .67), =.32 | (-1.97, .65) | -.44(-.53,-.35) | .02( .01), =.06 . | .08( .04), =.06 . | (-.00, .16) | .08(-.03, .18) |
| visual discrimination | ilse | tug | piccomp | 252 | -.32( .47), =.50 | --- | --- | -.23(-.35,-.11) | .00( .01), =.98 | --- | --- | .00(-.12, .12) | -.07( .28), =.79 | --- | --- | -.03(-.15, .10) |
| working memory | map | gait | digit\_b | 321 | .06( .02), =.01 \*\* | .26( .10), =.01 \*\* | ( .08, .45) | .27( .16, .37) | .00( .00), =.68 | .24( .58), =.68 | (-.89,1.38) | .21( .10, .31) | .00( .01), =.96 | .00( .04), =.96 | (-.09, .09) | .00(-.11, .11) |
| working memory | octo | gait | digit\_b | 139 | -.46( .45), =.31 | -.22( .20), =.29 | (-.62, .18) | -.22(-.37,-.05) | -.02( .03), =.45 | -.59( .86), =.50 | (-2.27,1.10) | -.58(-.68,-.46) | -.11( .27), =.69 | -.04( .11), =.69 | (-.26, .17) | -.04(-.21, .12) |
| working memory | map | gait | digit\_o | 320 | .02( .02), =.21 | .14( .10), =.19 | (-.07, .34) | .14( .03, .24) | -.00( .00), =.74 | -.31(1.18), =.79 | (-2.61,2.00) | -.41(-.50,-.31) | -.00( .01), =.92 | -.00( .04), =.92 | (-.08, .07) | -.01(-.12, .10) |

## female

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| domain | study | physical | cognitive |  | Cov(Levels) | Corr(Levels)Est | CI(Levels)Est | Corr(Levels)Comp | Cov(Slopes) | Corr(Slopes)Est | CI(Slopes)Est | Corr(Slopes)Comp | Cov(Residuals) | Corr(Resid)Est | CI(Resid)Est | Corr(Residuals)Comp |
| attention | map | gait | digit\_f | 935 | .02( .01), =.06 . | .10( .05), =.05 . | (-.00, .21) | .10( .04, .17) | .00( .00), =.76 | .09( .30), =.76 | (-.50, .68) | .00(-.06, .06) | .00( .00), =.28 | .03( .03), =.27 | (-.02, .08) | .03(-.03, .09) |
| attention | octo | gait | digit\_f | 275 | -.28( .22), =.20 | -.11( .08), =.18 | (-.27, .05) | -.11(-.22, .01) | -.01( .01), =.28 | -.12( .18), =.50 | (-.48, .23) | -.12(-.23, .00) | -.10( .09), =.25 | -.04( .04), =.27 | (-.11, .03) | -.04(-.16, .08) |
| attention | hrs | gait | serial7 | 370 | .02( .02), =.20 | --- | --- | .12( .02, .22) | .00( .00), =.60 | --- | --- | --- | .01( .01), =.18 | --- | --- | .07(-.03, .17) |
| episodic memory | map | gait | bstory\_de | 935 | .00( .01), =.80 | .02( .07), =.80 | (-.12, .16) | .02(-.05, .08) | .00( .00), =.64 | .11( .23), =.64 | (-.35, .57) | .12( .05, .18) | .01( .00), =.11 | .04( .02), =.11 | (-.01, .09) | .04(-.03, .10) |
| episodic memory | map | gait | logic\_de | 935 | .05( .02), =.05 \* | .10( .05), =.04 \* | ( .00, .20) | .10( .04, .17) | .00( .00), =.03 \* | .40( .17), =.02 \* | ( .07, .73) | .29( .23, .35) | .00( .01), =.92 | .00( .02), =.92 | (-.04, .05) | .00(-.06, .07) |
| episodic memory | eas | gait | logic\_tot | 360 | 3.86(11.15), =.73 | .04( .12), =.73 | (-.20, .28) | .04(-.06, .15) | .74( .88), =.40 | .54( .75), =.47 | (-.93,2.01) | .54( .46, .61) | .35(2.31), =.88 | .01( .07), =.88 | (-.13, .16) | .01(-.09, .11) |
| episodic memory | elsa | gait | word\_de | 2226 | .05( .01), <.01 \*\*\* | .20( .04), <.01 \*\*\* | ( .12, .27) | .20( .16, .24) | .00( .00), =.38 | .15( .17), =.38 | (-.19, .49) | --- | -.00( .00), =.63 | -.01( .02), =.63 | (-.05, .03) | -.01(-.05, .03) |
| episodic memory | hrs | gait | word\_de | 370 | .03( .02), =.17 | --- | --- | .15( .05, .25) | .00( .00), =.53 | --- | --- | --- | .01( .01), =.15 | --- | --- | .07(-.03, .17) |
| episodic memory | map | gait | word\_de | 935 | .05( .01), <.01 \*\*\* | .19( .05), <.01 \*\*\* | ( .09, .29) | .20( .13, .26) | .00( .00), <.01 \*\* | .73( .25), <.01 \*\* | ( .24,1.21) | .47( .42, .52) | -.00( .00), =.46 | -.02( .02), =.46 | (-.06, .03) | -.02(-.08, .05) |
| episodic memory | map | gait | word\_rec | 935 | .01( .00), =.08 . | .09( .05), =.09 . | (-.01, .19) | .09( .03, .15) | .00( .00), =.97 | -.02( .57), =.97 | (-1.15,1.10) | .00(-.06, .06) | .00( .00), =.87 | -.00( .03), =.87 | (-.06, .05) | .00(-.06, .06) |
| executive function | eas | gait | trailsb | 362 | -4.86(107.76), =.96 | -.01( .12), =.96 | (-.25, .24) | -.01(-.11, .10) | 3.36(6.59), =.61 | .18( .36), =.61 | (-.53, .90) | .18( .08, .28) | -4.35(25.36), =.86 | -.01( .08), =.86 | (-.16, .14) | -.01(-.12, .09) |
| fluency | eas | gait | categories | 363 | 11.43(13.72), =.40 | .10( .11), =.40 | (-.12, .31) | .09(-.01, .20) | .67( .92), =.46 | .33( .45), =.46 | (-.55,1.21) | .33( .23, .42) | .43(2.70), =.87 | .01( .08), =.87 | (-.15, .17) | .01(-.09, .12) |
| fluency | map | gait | categories | 935 | .18( .05), <.01 \*\*\* | .18( .05), <.01 \*\*\* | ( .09, .28) | .19( .12, .25) | .01( .00), =.02 \* | .39( .17), =.02 \* | ( .06, .71) | .30( .24, .36) | -.01( .02), =.32 | -.02( .02), =.32 | (-.07, .02) | -.02(-.09, .04) |
| fluency | eas | gait | fas | 361 | 67.83(23.06), <.01 \*\* | .35( .10), <.01 \*\*\* | ( .15, .56) | .36( .26, .44) | 2.08(1.10), =.06 . | .81( .47), =.09 . | (-.12,1.74) | .81( .77, .84) | -.79(3.33), =.81 | -.02( .08), =.81 | (-.17, .14) | -.02(-.12, .08) |
| fluency | elsa | gait | fluency | 2226 | .16( .03), <.01 \*\*\* | .20( .04), <.01 \*\*\* | ( .13, .27) | .20( .16, .24) | .00( .00), =.20 | .17( .13), =.20 | (-.09, .43) | --- | .02( .01), =.09 . | .04( .02), =.09 . | (-.01, .08) | .03(-.01, .08) |
| fluency | ilse | tug | fluency | 225 | .11(1.56), =.94 | --- | --- | .01(-.12, .15) | .00( .02), =.80 | --- | --- | .49( .38, .58) | -.66( .70), =.34 | --- | --- | -.10(-.23, .03) |
| fluid reasoning | eas | gait | block | 351 | 16.75(14.11), =.23 | .13( .10), =.22 | (-.08, .33) | .13( .02, .23) | .19( .84), =.82 | .08( .36), =.82 | (-.63, .80) | .08(-.02, .19) | 1.10(2.26), =.62 | .03( .06), =.62 | (-.09, .15) | .03(-.07, .14) |
| fluid reasoning | ilse | tug | block | 225 | -.37(1.33), =.78 | --- | --- | -.05(-.18, .08) | -.00( .01), =.92 | --- | --- | -.15(-.27,-.02) | .25( .47), =.60 | --- | --- | .05(-.08, .18) |
| fluid reasoning | octo | gait | block | 272 | -8.52(2.94), <.01 \*\* | -.43( .12), <.01 \*\*\* | (-.67,-.20) | -.43(-.52,-.33) | -.21( .61), =.74 | -.49( .61), =.42 | (-1.69, .70) | -.49(-.58,-.40) | -1.66( .65), =.01 \* | -.15( .05), <.01 \*\* | (-.25,-.05) | -.15(-.26,-.03) |
| fluid reasoning | map | gait | matrices | 935 | .06( .01), <.01 \*\*\* | .24( .06), <.01 \*\*\* | ( .14, .35) | .25( .18, .30) | .00( .00), =.97 | .01( .30), =.97 | (-.58, .61) | .00(-.06, .06) | .00( .01), =.83 | .01( .03), =.83 | (-.05, .07) | .01(-.06, .07) |
| fluid reasoning | lasa | gait | raven | 782 | -.95( .42), =.02 \* | -.25( .15), =.10 | (-.54, .05) | -.25(-.31,-.18) | -.02( .01), =.02 \* | -.53( .18), <.01 \*\* | (-.88,-.18) | -.52(-.57,-.47) | .25( .28), =.37 | .03( .04), =.40 | (-.04, .10) | .03(-.04, .10) |
| fluid reasoning | ilse | tug | spatial\_ab | 225 | .17(1.13), =.88 | --- | --- | .03(-.10, .16) | -.00( .01), =.93 | --- | --- | -.30(-.42,-.18) | -.35( .50), =.48 | --- | --- | -.08(-.21, .05) |
| mental status | eas | gait | mmse | 363 | 2.69(2.33), =.25 | .14( .12), =.25 | (-.10, .38) | .14( .04, .24) | .02( .16), =.92 | .08( .79), =.92 | (-1.48,1.63) | .08(-.02, .18) | -.37( .51), =.47 | -.05( .07), =.47 | (-.19, .09) | -.05(-.15, .05) |
| mental status | map | gait | mmse | 935 | .03( .01), <.01 \*\*\* | .22( .06), <.01 \*\*\* | ( .10, .35) | .23( .17, .29) | .00( .00), =.37 | .19( .20), =.36 | (-.22, .59) | .13( .07, .19) | .01( .00), =.01 \*\* | .07( .03), =.01 \*\* | ( .02, .12) | .07( .01, .14) |
| mental status | hrs | gait | tics | 370 | .01( .01), =.14 | --- | --- | .18( .07, .27) | .00( .00), =.13 | --- | --- | --- | .00( .01), =.70 | --- | --- | .02(-.08, .12) |
| perceptual speed | lasa | gait | letter | 782 | -2.62( .98), =.01 \*\* | -.32( .12), =.01 \*\* | (-.56,-.08) | -.32(-.38,-.26) | -.02( .01), =.09 . | -.24( .11), =.02 \* | (-.45,-.03) | -.24(-.31,-.17) | -.47( .20), =.02 \* | -.05( .02), =.02 \* | (-.09,-.01) | -.05(-.12, .02) |
| perceptual speed | map | gait | num\_comp | 935 | .10( .04), =.03 \* | .11( .05), =.02 \* | ( .01, .21) | .12( .05, .18) | .00( .00), =.22 | .29( .23), =.20 | (-.15, .74) | .21( .15, .27) | .03( .01), =.02 \* | .06( .02), =.02 \* | ( .01, .11) | .06(-.01, .12) |
| perceptual speed | eas | gait | symbol | 363 | 46.98(24.64), =.06 . | .21( .10), =.04 \* | ( .01, .41) | .21( .11, .31) | 2.53( .99), =.01 \*\* | .66( .24), =.01 \*\* | ( .19,1.13) | .66( .60, .71) | .16(2.92), =.95 | .00( .07), =.95 | (-.13, .14) | .00(-.10, .11) |
| perceptual speed | ilse | tug | symbol | 225 | -1.45(2.00), =.47 | --- | --- | -.13(-.26, .00) | -.00( .02), =.96 | --- | --- | -.09(-.22, .04) | .10( .58), =.86 | --- | --- | .02(-.11, .15) |
| perceptual speed | map | gait | symbol | 935 | .27( .06), <.01 \*\*\* | .23( .04), <.01 \*\*\* | ( .14, .32) | .24( .17, .30) | .00( .00), =.59 | .09( .16), =.59 | (-.22, .40) | .06(-.01, .12) | .04( .02), =.03 \* | .06( .03), =.03 \* | ( .01, .12) | .06(-.00, .13) |
| perceptual speed | octo | gait | symbol | 265 | -10.78(5.25), =.04 \* | -.37( .14), =.01 \*\* | (-.63,-.10) | -.37(-.47,-.26) | -.26( .66), =.69 | -.41( .46), =.37 | (-1.31, .48) | -.41(-.51,-.31) | -2.12(1.57), =.18 | -.12( .08), =.15 | (-.28, .04) | -.12(-.24, .00) |
| semantic memory | eas | gait | bnt | 363 | -.88(4.93), =.86 | -.02( .14), =.86 | (-.29, .24) | -.02(-.13, .08) | .01( .32), =.98 | .02(1.08), =.98 | (-2.08,2.13) | .02(-.08, .13) | .49( .92), =.59 | .04( .08), =.59 | (-.12, .21) | .05(-.06, .15) |
| semantic memory | map | gait | bnt | 935 | .02( .01), <.01 \*\*\* | .18( .04), <.01 \*\*\* | ( .09, .26) | .18( .11, .24) | .00( .00), =.10 . | .28( .17), =.11 | (-.06, .62) | .20( .14, .26) | -.00( .00), =.69 | -.01( .02), =.69 | (-.06, .04) | -.01(-.08, .05) |
| semantic memory | map | gait | nart | 933 | .02( .01), =.05 \* | .09( .04), =.05 \* | ( .00, .17) | .09( .02, .15) | .00( .00), =.65 | -.10( .22), =.65 | (-.53, .33) | .00(-.06, .06) | .01( .00), <.01 \*\* | .08( .03), <.01 \*\* | ( .03, .14) | .08( .02, .15) |
| semantic memory | ilse | tug | waisgeneral | 225 | .16( .82), =.85 | --- | --- | .04(-.10, .17) | .00( .01), =.95 | --- | --- | .00(-.13, .13) | -.07( .24), =.76 | --- | --- | -.03(-.16, .10) |
| semantic memory | eas | gait | waisvocab | 363 | 51.98(22.89), =.02 \* | .29( .12), =.01 \* | ( .06, .51) | .29( .19, .38) | 1.53(1.26), =.22 | 1.00(1.16), =.39 | (-1.27,3.26) | 1.00(1.00,1.00) | -.85(3.63), =.81 | -.02( .07), =.81 | (-.16, .12) | -.02(-.12, .09) |
| short-term memory | map | gait | bstory\_im | 935 | .01( .01), =.30 | .07( .07), =.29 | (-.06, .21) | .08( .01, .14) | .00( .00), =.28 | .28( .26), =.28 | (-.23, .80) | .16( .09, .22) | .01( .00), =.16 | .04( .03), =.16 | (-.02, .09) | .04(-.03, .10) |
| short-term memory | eas | gait | digit\_tot | 363 | 12.35(6.17), =.04 \* | .24( .11), =.03 \* | ( .02, .46) | .24( .14, .34) | .62( .35), =.08 . | .74( .40), =.06 . | (-.05,1.52) | .74( .69, .78) | -.24( .88), =.79 | -.02( .07), =.79 | (-.15, .12) | -.02(-.12, .08) |
| short-term memory | map | gait | logic\_im | 935 | .05( .02), =.04 \* | .11( .05), =.04 \* | ( .01, .20) | .11( .04, .17) | .00( .00), =.02 \* | .43( .17), =.01 \* | ( .10, .77) | .33( .27, .38) | .01( .01), =.07 . | .04( .02), =.06 . | (-.00, .09) | .04(-.02, .11) |
| short-term memory | octo | gait | prose\_im | 268 | -1.34(1.07), =.21 | -.14( .12), =.24 | (-.37, .09) | -.14(-.25,-.02) | -.07( .10), =.43 | -.23( .08), <.01 \*\* | (-.38,-.07) | -.23(-.34,-.11) | -.40( .24), =.10 | -.06( .04), =.11 | (-.13, .01) | -.06(-.18, .06) |
| short-term memory | eas | gait | word\_im | 363 | 11.87(11.82), =.32 | .15( .16), =.32 | (-.15, .46) | .15( .05, .25) | .29( .82), =.73 | .26( .76), =.73 | (-1.23,1.75) | .26( .16, .36) | 1.28(2.26), =.57 | .04( .08), =.57 | (-.11, .20) | .04(-.06, .15) |
| short-term memory | elsa | gait | word\_im | 2225 | .04( .01), <.01 \*\*\* | .20( .05), <.01 \*\*\* | ( .11, .29) | .20( .16, .24) | .00( .00), =.23 | .25( .20), =.21 | (-.14, .65) | --- | .01( .00), =.09 . | .03( .02), =.09 . | (-.01, .07) | .03(-.01, .07) |
| short-term memory | hrs | gait | word\_im | 370 | .04( .01), =.01 \* | --- | --- | .26( .16, .35) | .00( .00), =.44 | --- | --- | --- | .00( .01), =.60 | --- | --- | .02(-.08, .12) |
| short-term memory | lasa | gait | word\_im | 782 | -1.74( .67), =.01 \*\* | -.31( .18), =.08 . | (-.67, .04) | -.31(-.37,-.25) | -.01( .01), =.21 | -.28( .19), =.13 | (-.65, .09) | -.28(-.34,-.22) | -.37( .28), =.19 | -.02( .02), =.21 | (-.06, .01) | -.02(-.09, .05) |
| short-term memory | map | gait | word\_im | 935 | .13( .02), <.01 \*\*\* | .28( .05), <.01 \*\*\* | ( .18, .38) | .28( .22, .34) | .00( .00), =.05 \* | .34( .17), =.04 \* | ( .01, .68) | .23( .17, .29) | -.00( .01), =.80 | -.01( .02), =.80 | (-.05, .04) | -.01(-.07, .06) |
| verbal comprehension | map | gait | ideas | 935 | .01( .00), =.01 \*\* | .16( .06), =.01 \*\* | ( .04, .28) | .15( .09, .22) | .00( .00), =.27 | .22( .20), =.27 | (-.17, .62) | .00(-.06, .06) | .00( .00), =.26 | .03( .02), =.26 | (-.02, .07) | .03(-.03, .10) |
| visual discrimination | map | gait | line | 935 | .08( .02), <.01 \*\*\* | .26( .06), <.01 \*\*\* | ( .15, .37) | .26( .20, .32) | .00( .00), =.89 | -.08( .64), =.90 | (-1.33,1.16) | .00(-.06, .06) | .00( .01), =.54 | .01( .02), =.54 | (-.03, .06) | .02(-.05, .08) |
| visual discrimination | ilse | tug | piccomp | 225 | .27( .84), =.75 | --- | --- | .08(-.05, .21) | .00( .01), =.90 | --- | --- | .17( .04, .30) | -.10( .31), =.74 | --- | --- | -.03(-.16, .10) |
| working memory | map | gait | digit\_b | 935 | .06( .01), <.01 \*\*\* | .26( .05), <.01 \*\*\* | ( .15, .36) | .26( .20, .32) | .00( .00), =.08 . | .48( .29), =.09 . | (-.08,1.04) | .35( .30, .41) | -.00( .00), =.47 | -.02( .03), =.47 | (-.07, .03) | -.02(-.08, .05) |
| working memory | octo | gait | digit\_b | 275 | -.77( .31), =.01 \* | -.30( .10), <.01 \*\* | (-.51,-.10) | -.30(-.41,-.19) | .01( .04), =.75 | .23( .45), =.60 | (-.64,1.11) | .25( .13, .36) | .11( .21), =.59 | .03( .06), =.58 | (-.08, .14) | .03(-.09, .15) |
| working memory | map | gait | digit\_o | 935 | .02( .01), <.01 \*\* | .17( .06), <.01 \*\* | ( .05, .28) | .17( .11, .23) | .00( .00), =.74 | -.08( .25), =.74 | (-.57, .41) | .00(-.06, .06) | .00( .00), =.92 | .00( .02), =.92 | (-.05, .05) | .00(-.06, .06) |

# Grouped by study

## male

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| domain | study | physical | cognitive |  | Cov(Levels) | Corr(Levels)Est | CI(Levels)Est | Corr(Levels)Comp | Cov(Slopes) | Corr(Slopes)Est | CI(Slopes)Est | Corr(Slopes)Comp | Cov(Residuals) | Corr(Resid)Est | CI(Resid)Est | Corr(Residuals)Comp |
| episodic memory | eas | gait | logic\_tot | 218 | 20.53(18.13), =.26 | .21( .19), =.26 | (-.15, .58) | .21( .08, .34) | .10( .82), =.90 | .09( .76), =.90 | (-1.39,1.58) | .09(-.04, .22) | -.92(3.23), =.78 | -.03( .10), =.77 | (-.22, .16) | -.03(-.16, .11) |
| executive function | eas | gait | trailsb | 221 | -225.90(171.18), =.19 | -.27( .20), =.18 | (-.66, .12) | -.27(-.39,-.14) | -7.09(13.23), =.59 | -.67(1.44), =.64 | (-3.49,2.15) | -.67(-.73,-.59) | 57.56(34.95), =.10 . | .17( .10), =.10 . | (-.03, .37) | .17( .04, .30) |
| fluency | eas | gait | categories | 222 | 44.15(25.45), =.08 . | .31( .16), =.05 . | (-.00, .63) | .31( .19, .43) | 1.74(1.19), =.14 | .78( .72), =.28 | (-.64,2.19) | .78( .72, .82) | .06(3.21), =.98 | .00( .09), =.98 | (-.17, .17) | .00(-.13, .13) |
| fluency | eas | gait | fas | 222 | 26.13(28.93), =.37 | .15( .16), =.37 | (-.17, .47) | .15( .02, .27) | .81(1.55), =.60 | .56(1.22), =.65 | (-1.84,2.95) | .55( .46, .64) | .86(4.62), =.85 | .02( .10), =.85 | (-.17, .21) | .02(-.11, .15) |
| fluid reasoning | eas | gait | block | 210 | 45.46(19.66), =.02 \* | .33( .15), =.02 \* | ( .04, .62) | .33( .20, .44) | .22(1.21), =.86 | .31(1.70), =.85 | (-3.01,3.64) | .31( .19, .43) | -3.20(3.46), =.35 | -.08( .08), =.34 | (-.24, .08) | -.08(-.21, .06) |
| mental status | eas | gait | mmse | 222 | 6.09(4.61), =.19 | .34( .25), =.17 | (-.15, .84) | .34( .22, .46) | -.06( .30), =.84 | -.50(2.74), =.85 | (-5.87,4.87) | -.52(-.61,-.41) | -.25( .95), =.79 | -.03( .11), =.79 | (-.24, .18) | -.03(-.16, .10) |
| perceptual speed | eas | gait | symbol | 221 | 68.90(26.04), =.01 \*\* | .39( .14), =.01 \*\* | ( .10, .67) | .39( .27, .49) | 1.59(1.33), =.23 | .67( .85), =.43 | (-.99,2.33) | .67( .59, .74) | -.48(4.28), =.91 | -.01( .09), =.91 | (-.19, .17) | -.01(-.14, .12) |
| semantic memory | eas | gait | bnt | 222 | 6.14(6.14), =.32 | .19( .18), =.29 | (-.16, .54) | .19( .06, .31) | -.00( .42), =.99 | -.04(3.45), =.99 | (-6.80,6.73) | -.04(-.17, .09) | .29( .95), =.76 | .02( .08), =.76 | (-.13, .18) | .02(-.11, .16) |
| semantic memory | eas | gait | waisvocab | 222 | 6.94(29.02), =.81 | .04( .17), =.81 | (-.30, .38) | .04(-.09, .17) | -.34(1.69), =.84 | -.34(1.82), =.85 | (-3.90,3.22) | -.34(-.45,-.22) | -3.81(6.28), =.54 | -.06( .10), =.54 | (-.26, .14) | -.06(-.19, .07) |
| short-term memory | eas | gait | digit\_tot | 222 | 9.48(9.98), =.34 | .17( .17), =.33 | (-.17, .50) | .17( .04, .29) | .18( .40), =.66 | .39(1.04), =.71 | (-1.65,2.44) | .39( .28, .50) | -.86(1.49), =.56 | -.06( .10), =.56 | (-.24, .13) | -.06(-.19, .08) |
| short-term memory | eas | gait | word\_im | 222 | 11.33(13.26), =.39 | .17( .20), =.39 | (-.22, .57) | .17( .04, .30) | .09( .88), =.92 | .13(1.20), =.92 | (-2.22,2.48) | .13(-.00, .25) | 2.95(2.69), =.27 | .09( .08), =.26 | (-.07, .25) | .09(-.04, .22) |
| episodic memory | elsa | gait | word\_de | 1947 | .06( .01), <.01 \*\*\* | .23( .04), <.01 \*\*\* | ( .15, .31) | .23( .18, .27) | .00( .00), =.49 | -.18( .28), =.52 | (-.74, .37) | --- | .01( .00), =.04 \* | .04( .02), =.04 \* | ( .00, .08) | .04(-.00, .09) |
| fluency | elsa | gait | fluency | 1947 | .20( .03), <.01 \*\*\* | .23( .04), <.01 \*\*\* | ( .15, .31) | .23( .18, .27) | .00( .00), =.28 | .16( .15), =.29 | (-.14, .46) | --- | -.01( .01), =.34 | -.02( .02), =.34 | (-.06, .02) | -.02(-.06, .02) |
| short-term memory | elsa | gait | word\_im | 1947 | .04( .01), <.01 \*\*\* | .22( .05), <.01 \*\*\* | ( .13, .32) | .23( .18, .27) | .00( .00), =.58 | -.11( .20), =.59 | (-.49, .28) | --- | -.00( .00), =.49 | -.01( .02), =.48 | (-.06, .03) | -.01(-.06, .03) |
| attention | hrs | gait | serial7 | 318 | .05( .02), <.01 \*\* | --- | --- | .31( .21, .41) | .00( .00), =.01 \*\* | --- | --- | .48( .39, .56) | .00( .01), =.98 | --- | --- | .00(-.11, .11) |
| episodic memory | hrs | gait | word\_de | 318 | .01( .02), =.65 | --- | --- | .05(-.06, .16) | .00( .00), =.96 | --- | --- | .00(-.11, .11) | .00( .01), =.60 | --- | --- | .02(-.09, .13) |
| mental status | hrs | gait | tics | 318 | .02( .01), =.03 \* | --- | --- | .41( .32, .50) | .00( .00), =.60 | --- | --- | .00(-.11, .11) | -.00( .01), =.76 | --- | --- | -.01(-.12, .10) |
| short-term memory | hrs | gait | word\_im | 318 | .03( .02), =.03 \* | --- | --- | .27( .17, .37) | .00( .00), =.74 | --- | --- | .00(-.11, .11) | .00( .01), =.82 | --- | --- | .01(-.10, .12) |
| fluid reasoning | ilse | tug | block | 252 | -1.75(1.14), =.12 | --- | --- | -.43(-.53,-.33) | .00( .02), =.90 | --- | --- | .13( .01, .25) | .25( .53), =.64 | --- | --- | .04(-.08, .17) |
| fluid reasoning | ilse | tug | spatial\_ab | 252 | -1.18( .78), =.13 | --- | --- | -.41(-.51,-.30) | -.00( .01), =.85 | --- | --- | -.12(-.24, .01) | .18( .39), =.64 | --- | --- | .05(-.08, .17) |
| perceptual speed | ilse | tug | symbol | 252 | -2.28(1.38), =.10 . | --- | --- | -.47(-.56,-.37) | -.01( .02), =.68 | --- | --- | -.42(-.52,-.31) | -.49( .46), =.28 | --- | --- | -.09(-.21, .03) |
| semantic memory | ilse | tug | waisgeneral | 252 | -.41( .47), =.38 | --- | --- | -.24(-.35,-.12) | -.00( .01), =.80 | --- | --- | -.27(-.38,-.15) | -.20( .19), =.29 | --- | --- | -.09(-.21, .04) |
| visual discrimination | ilse | tug | piccomp | 252 | -.32( .47), =.50 | --- | --- | -.23(-.35,-.11) | .00( .01), =.98 | --- | --- | .00(-.12, .12) | -.07( .28), =.79 | --- | --- | -.03(-.15, .10) |
| fluid reasoning | lasa | gait | raven | 800 | -.70( .37), =.06 . | -.23( .19), =.23 | (-.61, .14) | -.23(-.30,-.16) | -.01( .01), =.07 . | -.23( .16), =.15 | (-.55, .08) | -.24(-.31,-.18) | .15( .16), =.36 | .02( .03), =.38 | (-.03, .08) | .02(-.04, .09) |
| perceptual speed | lasa | gait | letter | 800 | -1.88( .56), <.01 \*\*\* | -.30( .21), =.15 | (-.72, .11) | -.31(-.37,-.24) | -.04( .01), =.02 \* | -.32( .14), =.02 \* | (-.58,-.05) | -.32(-.38,-.25) | -.22( .28), =.43 | -.03( .04), =.43 | (-.11, .05) | -.03(-.10, .04) |
| short-term memory | lasa | gait | word\_im | 800 | -1.12( .58), =.05 . | -.27( .20), =.17 | (-.65, .11) | -.27(-.33,-.20) | .00( .02), =.85 | .10( .49), =.85 | (-.87,1.06) | .11( .04, .17) | -.08( .29), =.77 | -.01( .03), =.77 | (-.06, .04) | -.01(-.08, .06) |
| attention | map | gait | digit\_f | 321 | .03( .02), =.07 . | .17( .09), =.07 . | (-.01, .36) | .17( .06, .28) | .00( .00), =.69 | .30( .78), =.70 | (-1.23,1.82) | .29( .19, .39) | .00( .01), =.77 | .01( .04), =.77 | (-.07, .09) | .01(-.10, .12) |
| episodic memory | map | gait | bstory\_de | 321 | .07( .02), <.01 \*\* | .39( .12), <.01 \*\*\* | ( .15, .63) | .39( .29, .48) | .00( .00), =.41 | .67(1.71), =.70 | (-2.69,4.03) | .52( .43, .59) | -.01( .01), =.14 | -.05( .04), =.13 | (-.12, .02) | -.06(-.16, .05) |
| episodic memory | map | gait | logic\_de | 321 | .11( .04), =.01 \*\* | .24( .09), =.01 \*\* | ( .06, .42) | .24( .14, .34) | .01( .00), =.11 | .50( .35), =.15 | (-.19,1.18) | .35( .25, .44) | -.01( .01), =.62 | -.02( .04), =.62 | (-.10, .06) | -.02(-.13, .09) |
| episodic memory | map | gait | word\_de | 321 | .06( .02), <.01 \*\* | .29( .08), <.01 \*\*\* | ( .13, .46) | .29( .19, .39) | .00( .00), =.13 | .74( .50), =.14 | (-.24,1.73) | .64( .57, .70) | -.00( .01), =.65 | -.02( .04), =.65 | (-.10, .06) | -.02(-.13, .09) |
| episodic memory | map | gait | word\_rec | 321 | .01( .01), =.49 | .07( .10), =.49 | (-.13, .27) | .07(-.04, .18) | -.00( .00), =.65 | -.15( .35), =.67 | (-.83, .53) | -.18(-.29,-.07) | .00( .00), =.36 | .04( .05), =.37 | (-.05, .14) | .04(-.07, .15) |
| fluency | map | gait | categories | 321 | .39( .09), <.01 \*\*\* | .38( .08), <.01 \*\*\* | ( .23, .54) | .39( .29, .48) | .02( .01), =.04 \* | .74( .36), =.04 \* | ( .03,1.45) | .56( .48, .63) | .02( .03), =.38 | .04( .04), =.38 | (-.04, .11) | .04(-.07, .14) |
| fluid reasoning | map | gait | matrices | 321 | .09( .03), <.01 \*\* | .36( .11), <.01 \*\*\* | ( .14, .58) | .36( .26, .45) | .00( .00), =.36 | .64( .64), =.32 | (-.61,1.89) | .44( .34, .52) | .03( .01), =.01 \*\* | .11( .04), =.01 \*\* | ( .03, .19) | .11(-.00, .22) |
| mental status | map | gait | mmse | 321 | .10( .03), <.01 \*\*\* | .48( .10), <.01 \*\*\* | ( .29, .67) | .49( .40, .57) | .00( .00), =.49 | .29( .46), =.53 | (-.62,1.20) | .22( .11, .32) | .01( .01), =.50 | .03( .04), =.50 | (-.05, .11) | .03(-.08, .14) |
| perceptual speed | map | gait | num\_comp | 321 | .17( .06), =.01 \*\* | .22( .08), =.01 \*\* | ( .06, .37) | .22( .11, .32) | -.00( .00), =.28 | -.40( .40), =.32 | (-1.19, .39) | --- | .04( .02), =.06 . | .07( .04), =.06 . | (-.00, .15) | .07(-.04, .18) |
| perceptual speed | map | gait | symbol | 321 | .53( .09), <.01 \*\*\* | .46( .07), <.01 \*\*\* | ( .32, .60) | .45( .36, .54) | -.01( .01), =.35 | -.33( .40), =.41 | (-1.12, .45) | --- | .06( .03), =.06 . | .09( .05), =.06 . | (-.00, .18) | .09(-.02, .20) |
| semantic memory | map | gait | bnt | 321 | .04( .02), =.01 \*\* | .31( .07), <.01 \*\*\* | ( .17, .45) | .31( .20, .40) | -.00( .00), =.31 | -.63( .77), =.41 | (-2.13, .87) | -.41(-.50,-.31) | -.00( .00), =.48 | -.03( .04), =.48 | (-.12, .06) | -.03(-.14, .08) |
| semantic memory | map | gait | nart | 321 | .05( .02), =.03 \* | .19( .08), =.02 \* | ( .03, .36) | .19( .09, .30) | .00( .00), =.56 | .26( .48), =.58 | (-.67,1.20) | .22( .12, .33) | .00( .00), =.70 | .02( .04), =.70 | (-.06, .10) | .02(-.09, .13) |
| short-term memory | map | gait | bstory\_im | 321 | .05( .02), <.01 \*\* | .36( .12), <.01 \*\* | ( .12, .60) | .36( .26, .45) | .00( .00), =.23 | .73( .94), =.44 | (-1.12,2.58) | .65( .59, .71) | -.01( .01), =.06 . | -.07( .04), =.06 . | (-.14, .00) | -.07(-.18, .04) |
| short-term memory | map | gait | logic\_im | 321 | .08( .04), =.04 \* | .22( .11), =.04 \* | ( .00, .43) | .22( .11, .32) | .00( .00), =.36 | .78(1.12), =.49 | (-1.42,2.97) | .63( .56, .69) | -.01( .01), =.68 | -.02( .04), =.68 | (-.10, .06) | -.02(-.13, .09) |
| short-term memory | map | gait | word\_im | 321 | .07( .04), =.04 \* | .22( .10), =.03 \* | ( .02, .41) | .21( .11, .32) | .00( .00), =.24 | .62( .54), =.25 | (-.44,1.68) | .48( .39, .56) | .01( .01), =.69 | .02( .04), =.68 | (-.07, .10) | .02(-.09, .13) |
| verbal comprehension | map | gait | ideas | 321 | .01( .01), =.15 | .18( .08), =.03 \* | ( .02, .34) | .18( .08, .29) | -.00( .00), =.46 | -.18( .23), =.44 | (-.62, .27) | -.20(-.30,-.09) | .00( .00), =.80 | .01( .05), =.79 | (-.08, .10) | .02(-.09, .13) |
| visual discrimination | map | gait | line | 321 | .04( .02), =.10 . | .15( .09), =.09 . | (-.02, .32) | .15( .04, .25) | -.00( .00), =.22 | -.66( .67), =.32 | (-1.97, .65) | -.44(-.53,-.35) | .02( .01), =.06 . | .08( .04), =.06 . | (-.00, .16) | .08(-.03, .18) |
| working memory | map | gait | digit\_b | 321 | .06( .02), =.01 \*\* | .26( .10), =.01 \*\* | ( .08, .45) | .27( .16, .37) | .00( .00), =.68 | .24( .58), =.68 | (-.89,1.38) | .21( .10, .31) | .00( .01), =.96 | .00( .04), =.96 | (-.09, .09) | .00(-.11, .11) |
| working memory | map | gait | digit\_o | 320 | .02( .02), =.21 | .14( .10), =.19 | (-.07, .34) | .14( .03, .24) | -.00( .00), =.74 | -.31(1.18), =.79 | (-2.61,2.00) | -.41(-.50,-.31) | -.00( .01), =.92 | -.00( .04), =.92 | (-.08, .07) | -.01(-.12, .10) |
| attention | octo | gait | digit\_f | 139 | -.31( .31), =.31 | -.17( .17), =.31 | (-.51, .16) | -.17(-.33,-.01) | -.01( .01), =.34 | -.56( .64), =.39 | (-1.82, .71) | -.55(-.66,-.43) | -.10( .13), =.41 | -.06( .07), =.40 | (-.19, .08) | -.06(-.22, .11) |
| fluid reasoning | octo | gait | block | 137 | -4.56(1.84), =.01 \* | -.40( .13), <.01 \*\* | (-.66,-.13) | -.40(-.53,-.24) | -.04( .09), =.68 | -.73(2.42), =.76 | (-5.48,4.02) | -.74(-.81,-.65) | -.78( .73), =.28 | -.10( .09), =.27 | (-.29, .08) | -.10(-.27, .07) |
| perceptual speed | octo | gait | symbol | 134 | -7.59(2.84), =.01 \*\* | -.46( .14), <.01 \*\*\* | (-.73,-.18) | -.46(-.58,-.31) | .00( .11), =.99 | .00( .98), =.99 | (-1.93,1.93) | .01(-.16, .18) | -2.51(1.18), =.03 \* | -.23( .09), =.01 \* | (-.42,-.05) | -.23(-.39,-.07) |
| working memory | octo | gait | digit\_b | 139 | -.46( .45), =.31 | -.22( .20), =.29 | (-.62, .18) | -.22(-.37,-.05) | -.02( .03), =.45 | -.59( .86), =.50 | (-2.27,1.10) | -.58(-.68,-.46) | -.11( .27), =.69 | -.04( .11), =.69 | (-.26, .17) | -.04(-.21, .12) |

## female

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| domain | study | physical | cognitive |  | Cov(Levels) | Corr(Levels)Est | CI(Levels)Est | Corr(Levels)Comp | Cov(Slopes) | Corr(Slopes)Est | CI(Slopes)Est | Corr(Slopes)Comp | Cov(Residuals) | Corr(Resid)Est | CI(Resid)Est | Corr(Residuals)Comp |
| episodic memory | eas | gait | logic\_tot | 360 | 3.86(11.15), =.73 | .04( .12), =.73 | (-.20, .28) | .04(-.06, .15) | .74( .88), =.40 | .54( .75), =.47 | (-.93,2.01) | .54( .46, .61) | .35(2.31), =.88 | .01( .07), =.88 | (-.13, .16) | .01(-.09, .11) |
| executive function | eas | gait | trailsb | 362 | -4.86(107.76), =.96 | -.01( .12), =.96 | (-.25, .24) | -.01(-.11, .10) | 3.36(6.59), =.61 | .18( .36), =.61 | (-.53, .90) | .18( .08, .28) | -4.35(25.36), =.86 | -.01( .08), =.86 | (-.16, .14) | -.01(-.12, .09) |
| fluency | eas | gait | categories | 363 | 11.43(13.72), =.40 | .10( .11), =.40 | (-.12, .31) | .09(-.01, .20) | .67( .92), =.46 | .33( .45), =.46 | (-.55,1.21) | .33( .23, .42) | .43(2.70), =.87 | .01( .08), =.87 | (-.15, .17) | .01(-.09, .12) |
| fluency | eas | gait | fas | 361 | 67.83(23.06), <.01 \*\* | .35( .10), <.01 \*\*\* | ( .15, .56) | .36( .26, .44) | 2.08(1.10), =.06 . | .81( .47), =.09 . | (-.12,1.74) | .81( .77, .84) | -.79(3.33), =.81 | -.02( .08), =.81 | (-.17, .14) | -.02(-.12, .08) |
| fluid reasoning | eas | gait | block | 351 | 16.75(14.11), =.23 | .13( .10), =.22 | (-.08, .33) | .13( .02, .23) | .19( .84), =.82 | .08( .36), =.82 | (-.63, .80) | .08(-.02, .19) | 1.10(2.26), =.62 | .03( .06), =.62 | (-.09, .15) | .03(-.07, .14) |
| mental status | eas | gait | mmse | 363 | 2.69(2.33), =.25 | .14( .12), =.25 | (-.10, .38) | .14( .04, .24) | .02( .16), =.92 | .08( .79), =.92 | (-1.48,1.63) | .08(-.02, .18) | -.37( .51), =.47 | -.05( .07), =.47 | (-.19, .09) | -.05(-.15, .05) |
| perceptual speed | eas | gait | symbol | 363 | 46.98(24.64), =.06 . | .21( .10), =.04 \* | ( .01, .41) | .21( .11, .31) | 2.53( .99), =.01 \*\* | .66( .24), =.01 \*\* | ( .19,1.13) | .66( .60, .71) | .16(2.92), =.95 | .00( .07), =.95 | (-.13, .14) | .00(-.10, .11) |
| semantic memory | eas | gait | bnt | 363 | -.88(4.93), =.86 | -.02( .14), =.86 | (-.29, .24) | -.02(-.13, .08) | .01( .32), =.98 | .02(1.08), =.98 | (-2.08,2.13) | .02(-.08, .13) | .49( .92), =.59 | .04( .08), =.59 | (-.12, .21) | .05(-.06, .15) |
| semantic memory | eas | gait | waisvocab | 363 | 51.98(22.89), =.02 \* | .29( .12), =.01 \* | ( .06, .51) | .29( .19, .38) | 1.53(1.26), =.22 | 1.00(1.16), =.39 | (-1.27,3.26) | 1.00(1.00,1.00) | -.85(3.63), =.81 | -.02( .07), =.81 | (-.16, .12) | -.02(-.12, .09) |
| short-term memory | eas | gait | digit\_tot | 363 | 12.35(6.17), =.04 \* | .24( .11), =.03 \* | ( .02, .46) | .24( .14, .34) | .62( .35), =.08 . | .74( .40), =.06 . | (-.05,1.52) | .74( .69, .78) | -.24( .88), =.79 | -.02( .07), =.79 | (-.15, .12) | -.02(-.12, .08) |
| short-term memory | eas | gait | word\_im | 363 | 11.87(11.82), =.32 | .15( .16), =.32 | (-.15, .46) | .15( .05, .25) | .29( .82), =.73 | .26( .76), =.73 | (-1.23,1.75) | .26( .16, .36) | 1.28(2.26), =.57 | .04( .08), =.57 | (-.11, .20) | .04(-.06, .15) |
| episodic memory | elsa | gait | word\_de | 2226 | .05( .01), <.01 \*\*\* | .20( .04), <.01 \*\*\* | ( .12, .27) | .20( .16, .24) | .00( .00), =.38 | .15( .17), =.38 | (-.19, .49) | --- | -.00( .00), =.63 | -.01( .02), =.63 | (-.05, .03) | -.01(-.05, .03) |
| fluency | elsa | gait | fluency | 2226 | .16( .03), <.01 \*\*\* | .20( .04), <.01 \*\*\* | ( .13, .27) | .20( .16, .24) | .00( .00), =.20 | .17( .13), =.20 | (-.09, .43) | --- | .02( .01), =.09 . | .04( .02), =.09 . | (-.01, .08) | .03(-.01, .08) |
| short-term memory | elsa | gait | word\_im | 2225 | .04( .01), <.01 \*\*\* | .20( .05), <.01 \*\*\* | ( .11, .29) | .20( .16, .24) | .00( .00), =.23 | .25( .20), =.21 | (-.14, .65) | --- | .01( .00), =.09 . | .03( .02), =.09 . | (-.01, .07) | .03(-.01, .07) |
| attention | hrs | gait | serial7 | 370 | .02( .02), =.20 | --- | --- | .12( .02, .22) | .00( .00), =.60 | --- | --- | --- | .01( .01), =.18 | --- | --- | .07(-.03, .17) |
| episodic memory | hrs | gait | word\_de | 370 | .03( .02), =.17 | --- | --- | .15( .05, .25) | .00( .00), =.53 | --- | --- | --- | .01( .01), =.15 | --- | --- | .07(-.03, .17) |
| mental status | hrs | gait | tics | 370 | .01( .01), =.14 | --- | --- | .18( .07, .27) | .00( .00), =.13 | --- | --- | --- | .00( .01), =.70 | --- | --- | .02(-.08, .12) |
| short-term memory | hrs | gait | word\_im | 370 | .04( .01), =.01 \* | --- | --- | .26( .16, .35) | .00( .00), =.44 | --- | --- | --- | .00( .01), =.60 | --- | --- | .02(-.08, .12) |
| fluency | ilse | tug | fluency | 225 | .11(1.56), =.94 | --- | --- | .01(-.12, .15) | .00( .02), =.80 | --- | --- | .49( .38, .58) | -.66( .70), =.34 | --- | --- | -.10(-.23, .03) |
| fluid reasoning | ilse | tug | block | 225 | -.37(1.33), =.78 | --- | --- | -.05(-.18, .08) | -.00( .01), =.92 | --- | --- | -.15(-.27,-.02) | .25( .47), =.60 | --- | --- | .05(-.08, .18) |
| fluid reasoning | ilse | tug | spatial\_ab | 225 | .17(1.13), =.88 | --- | --- | .03(-.10, .16) | -.00( .01), =.93 | --- | --- | -.30(-.42,-.18) | -.35( .50), =.48 | --- | --- | -.08(-.21, .05) |
| perceptual speed | ilse | tug | symbol | 225 | -1.45(2.00), =.47 | --- | --- | -.13(-.26, .00) | -.00( .02), =.96 | --- | --- | -.09(-.22, .04) | .10( .58), =.86 | --- | --- | .02(-.11, .15) |
| semantic memory | ilse | tug | waisgeneral | 225 | .16( .82), =.85 | --- | --- | .04(-.10, .17) | .00( .01), =.95 | --- | --- | .00(-.13, .13) | -.07( .24), =.76 | --- | --- | -.03(-.16, .10) |
| visual discrimination | ilse | tug | piccomp | 225 | .27( .84), =.75 | --- | --- | .08(-.05, .21) | .00( .01), =.90 | --- | --- | .17( .04, .30) | -.10( .31), =.74 | --- | --- | -.03(-.16, .10) |
| fluid reasoning | lasa | gait | raven | 782 | -.95( .42), =.02 \* | -.25( .15), =.10 | (-.54, .05) | -.25(-.31,-.18) | -.02( .01), =.02 \* | -.53( .18), <.01 \*\* | (-.88,-.18) | -.52(-.57,-.47) | .25( .28), =.37 | .03( .04), =.40 | (-.04, .10) | .03(-.04, .10) |
| perceptual speed | lasa | gait | letter | 782 | -2.62( .98), =.01 \*\* | -.32( .12), =.01 \*\* | (-.56,-.08) | -.32(-.38,-.26) | -.02( .01), =.09 . | -.24( .11), =.02 \* | (-.45,-.03) | -.24(-.31,-.17) | -.47( .20), =.02 \* | -.05( .02), =.02 \* | (-.09,-.01) | -.05(-.12, .02) |
| short-term memory | lasa | gait | word\_im | 782 | -1.74( .67), =.01 \*\* | -.31( .18), =.08 . | (-.67, .04) | -.31(-.37,-.25) | -.01( .01), =.21 | -.28( .19), =.13 | (-.65, .09) | -.28(-.34,-.22) | -.37( .28), =.19 | -.02( .02), =.21 | (-.06, .01) | -.02(-.09, .05) |
| attention | map | gait | digit\_f | 935 | .02( .01), =.06 . | .10( .05), =.05 . | (-.00, .21) | .10( .04, .17) | .00( .00), =.76 | .09( .30), =.76 | (-.50, .68) | .00(-.06, .06) | .00( .00), =.28 | .03( .03), =.27 | (-.02, .08) | .03(-.03, .09) |
| episodic memory | map | gait | bstory\_de | 935 | .00( .01), =.80 | .02( .07), =.80 | (-.12, .16) | .02(-.05, .08) | .00( .00), =.64 | .11( .23), =.64 | (-.35, .57) | .12( .05, .18) | .01( .00), =.11 | .04( .02), =.11 | (-.01, .09) | .04(-.03, .10) |
| episodic memory | map | gait | logic\_de | 935 | .05( .02), =.05 \* | .10( .05), =.04 \* | ( .00, .20) | .10( .04, .17) | .00( .00), =.03 \* | .40( .17), =.02 \* | ( .07, .73) | .29( .23, .35) | .00( .01), =.92 | .00( .02), =.92 | (-.04, .05) | .00(-.06, .07) |
| episodic memory | map | gait | word\_de | 935 | .05( .01), <.01 \*\*\* | .19( .05), <.01 \*\*\* | ( .09, .29) | .20( .13, .26) | .00( .00), <.01 \*\* | .73( .25), <.01 \*\* | ( .24,1.21) | .47( .42, .52) | -.00( .00), =.46 | -.02( .02), =.46 | (-.06, .03) | -.02(-.08, .05) |
| episodic memory | map | gait | word\_rec | 935 | .01( .00), =.08 . | .09( .05), =.09 . | (-.01, .19) | .09( .03, .15) | .00( .00), =.97 | -.02( .57), =.97 | (-1.15,1.10) | .00(-.06, .06) | .00( .00), =.87 | -.00( .03), =.87 | (-.06, .05) | .00(-.06, .06) |
| fluency | map | gait | categories | 935 | .18( .05), <.01 \*\*\* | .18( .05), <.01 \*\*\* | ( .09, .28) | .19( .12, .25) | .01( .00), =.02 \* | .39( .17), =.02 \* | ( .06, .71) | .30( .24, .36) | -.01( .02), =.32 | -.02( .02), =.32 | (-.07, .02) | -.02(-.09, .04) |
| fluid reasoning | map | gait | matrices | 935 | .06( .01), <.01 \*\*\* | .24( .06), <.01 \*\*\* | ( .14, .35) | .25( .18, .30) | .00( .00), =.97 | .01( .30), =.97 | (-.58, .61) | .00(-.06, .06) | .00( .01), =.83 | .01( .03), =.83 | (-.05, .07) | .01(-.06, .07) |
| mental status | map | gait | mmse | 935 | .03( .01), <.01 \*\*\* | .22( .06), <.01 \*\*\* | ( .10, .35) | .23( .17, .29) | .00( .00), =.37 | .19( .20), =.36 | (-.22, .59) | .13( .07, .19) | .01( .00), =.01 \*\* | .07( .03), =.01 \*\* | ( .02, .12) | .07( .01, .14) |
| perceptual speed | map | gait | num\_comp | 935 | .10( .04), =.03 \* | .11( .05), =.02 \* | ( .01, .21) | .12( .05, .18) | .00( .00), =.22 | .29( .23), =.20 | (-.15, .74) | .21( .15, .27) | .03( .01), =.02 \* | .06( .02), =.02 \* | ( .01, .11) | .06(-.01, .12) |
| perceptual speed | map | gait | symbol | 935 | .27( .06), <.01 \*\*\* | .23( .04), <.01 \*\*\* | ( .14, .32) | .24( .17, .30) | .00( .00), =.59 | .09( .16), =.59 | (-.22, .40) | .06(-.01, .12) | .04( .02), =.03 \* | .06( .03), =.03 \* | ( .01, .12) | .06(-.00, .13) |
| semantic memory | map | gait | bnt | 935 | .02( .01), <.01 \*\*\* | .18( .04), <.01 \*\*\* | ( .09, .26) | .18( .11, .24) | .00( .00), =.10 . | .28( .17), =.11 | (-.06, .62) | .20( .14, .26) | -.00( .00), =.69 | -.01( .02), =.69 | (-.06, .04) | -.01(-.08, .05) |
| semantic memory | map | gait | nart | 933 | .02( .01), =.05 \* | .09( .04), =.05 \* | ( .00, .17) | .09( .02, .15) | .00( .00), =.65 | -.10( .22), =.65 | (-.53, .33) | .00(-.06, .06) | .01( .00), <.01 \*\* | .08( .03), <.01 \*\* | ( .03, .14) | .08( .02, .15) |
| short-term memory | map | gait | bstory\_im | 935 | .01( .01), =.30 | .07( .07), =.29 | (-.06, .21) | .08( .01, .14) | .00( .00), =.28 | .28( .26), =.28 | (-.23, .80) | .16( .09, .22) | .01( .00), =.16 | .04( .03), =.16 | (-.02, .09) | .04(-.03, .10) |
| short-term memory | map | gait | logic\_im | 935 | .05( .02), =.04 \* | .11( .05), =.04 \* | ( .01, .20) | .11( .04, .17) | .00( .00), =.02 \* | .43( .17), =.01 \* | ( .10, .77) | .33( .27, .38) | .01( .01), =.07 . | .04( .02), =.06 . | (-.00, .09) | .04(-.02, .11) |
| short-term memory | map | gait | word\_im | 935 | .13( .02), <.01 \*\*\* | .28( .05), <.01 \*\*\* | ( .18, .38) | .28( .22, .34) | .00( .00), =.05 \* | .34( .17), =.04 \* | ( .01, .68) | .23( .17, .29) | -.00( .01), =.80 | -.01( .02), =.80 | (-.05, .04) | -.01(-.07, .06) |
| verbal comprehension | map | gait | ideas | 935 | .01( .00), =.01 \*\* | .16( .06), =.01 \*\* | ( .04, .28) | .15( .09, .22) | .00( .00), =.27 | .22( .20), =.27 | (-.17, .62) | .00(-.06, .06) | .00( .00), =.26 | .03( .02), =.26 | (-.02, .07) | .03(-.03, .10) |
| visual discrimination | map | gait | line | 935 | .08( .02), <.01 \*\*\* | .26( .06), <.01 \*\*\* | ( .15, .37) | .26( .20, .32) | .00( .00), =.89 | -.08( .64), =.90 | (-1.33,1.16) | .00(-.06, .06) | .00( .01), =.54 | .01( .02), =.54 | (-.03, .06) | .02(-.05, .08) |
| working memory | map | gait | digit\_b | 935 | .06( .01), <.01 \*\*\* | .26( .05), <.01 \*\*\* | ( .15, .36) | .26( .20, .32) | .00( .00), =.08 . | .48( .29), =.09 . | (-.08,1.04) | .35( .30, .41) | -.00( .00), =.47 | -.02( .03), =.47 | (-.07, .03) | -.02(-.08, .05) |
| working memory | map | gait | digit\_o | 935 | .02( .01), <.01 \*\* | .17( .06), <.01 \*\* | ( .05, .28) | .17( .11, .23) | .00( .00), =.74 | -.08( .25), =.74 | (-.57, .41) | .00(-.06, .06) | .00( .00), =.92 | .00( .02), =.92 | (-.05, .05) | .00(-.06, .06) |
| attention | octo | gait | digit\_f | 275 | -.28( .22), =.20 | -.11( .08), =.18 | (-.27, .05) | -.11(-.22, .01) | -.01( .01), =.28 | -.12( .18), =.50 | (-.48, .23) | -.12(-.23, .00) | -.10( .09), =.25 | -.04( .04), =.27 | (-.11, .03) | -.04(-.16, .08) |
| fluid reasoning | octo | gait | block | 272 | -8.52(2.94), <.01 \*\* | -.43( .12), <.01 \*\*\* | (-.67,-.20) | -.43(-.52,-.33) | -.21( .61), =.74 | -.49( .61), =.42 | (-1.69, .70) | -.49(-.58,-.40) | -1.66( .65), =.01 \* | -.15( .05), <.01 \*\* | (-.25,-.05) | -.15(-.26,-.03) |
| perceptual speed | octo | gait | symbol | 265 | -10.78(5.25), =.04 \* | -.37( .14), =.01 \*\* | (-.63,-.10) | -.37(-.47,-.26) | -.26( .66), =.69 | -.41( .46), =.37 | (-1.31, .48) | -.41(-.51,-.31) | -2.12(1.57), =.18 | -.12( .08), =.15 | (-.28, .04) | -.12(-.24, .00) |
| short-term memory | octo | gait | prose\_im | 268 | -1.34(1.07), =.21 | -.14( .12), =.24 | (-.37, .09) | -.14(-.25,-.02) | -.07( .10), =.43 | -.23( .08), <.01 \*\* | (-.38,-.07) | -.23(-.34,-.11) | -.40( .24), =.10 | -.06( .04), =.11 | (-.13, .01) | -.06(-.18, .06) |
| working memory | octo | gait | digit\_b | 275 | -.77( .31), =.01 \* | -.30( .10), <.01 \*\* | (-.51,-.10) | -.30(-.41,-.19) | .01( .04), =.75 | .23( .45), =.60 | (-.64,1.11) | .25( .13, .36) | .11( .21), =.59 | .03( .06), =.58 | (-.08, .14) | .03(-.09, .15) |

# 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 2016-12-05, 14:21 -0500

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