BISR: pulmonary (full)

Date: 2017-02-15

## 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 using Fisher's transform

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

Parsed with column specification:  
cols(  
 domain = col\_character(),  
 domain\_new = col\_character(),  
 study = col\_character(),  
 physical = col\_character(),  
 cognitive = col\_character()  
)

Joining, by = c("domain", "study", "physical", "cognitive")

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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(Residuals)Est | CI(Residuals)Est | Corr(Residuals)Comp |
| delayed/working memory | eas | pef | digit\_tot | 324 | 3.86(36.29), =.92 | .01( .12), =.92 | (-.21, .24) | .01(-.10, .12) | 1.11(2.25), =.62 | .26( .55), =.63 | (-.81,1.34) | .26( .16, .36) | 7.35(6.85), =.28 | .07( .06), =.28 | (-.06, .20) | .07(-.04, .18) |
| delayed/working memory | eas | pef | logic\_tot | 324 | 35.38(61.57), =.57 | .07( .12), =.57 | (-.16, .29) | .07(-.04, .17) | 2.85(4.29), =.51 | .30( .46), =.51 | (-.59,1.19) | .30( .19, .39) | -7.57(15.76), =.63 | -.03( .07), =.63 | (-.17, .10) | -.03(-.14, .08) |
| delayed/working memory | eas | pef | trailsb | 324 | -2188.20(674.13), <.01 \*\*\* | -.42( .11), <.01 \*\*\* | (-.64,-.20) | -.42(-.51,-.33) | -81.33(52.55), =.12 | -.96( .55), =.08 . | (-2.04, .12) | -.96(-.97,-.95) | 3.96(160.21), =.98 | .00( .07), =.98 | (-.14, .15) | .00(-.11, .11) |
| delayed/working memory | elsa | fev | word\_de | 3091 | .04( .03), =.16 | .06( .04), =.16 | (-.02, .13) | .06( .02, .09) | .00( .00), =.54 | -.22( .39), =.58 | (-.99, .55) | .00(-.04, .04) | .02( .01), =.27 | .03( .03), =.27 | (-.02, .08) | .03(-.01, .06) |
| delayed/working memory | hrs | pef | word\_de | 3288 | 30.33(3.72), <.01 \*\*\* | .27( .03), <.01 \*\*\* | ( .21, .34) | .27( .24, .30) | .15( .08), =.07 . | .70( .54), =.19 | (-.35,1.76) | .74( .72, .75) | 1.95(1.80), =.28 | .03( .02), =.28 | (-.02, .07) | .03(-.01, .06) |
| delayed/working memory | map | fev | bstory\_de | 321 | .08( .07), =.22 | .13( .10), =.21 | (-.07, .32) | .13( .02, .23) | .00( .00), =.59 | .64(2.09), =.76 | (-3.44,4.73) | .58( .50, .65) | -.01( .02), =.66 | -.02( .05), =.66 | (-.11, .07) | -.02(-.13, .09) |
| delayed/working memory | map | fev | digit\_b | 321 | .13( .06), =.03 \* | .16( .07), =.03 \* | ( .02, .31) | .16( .05, .27) | -.00( .00), =.61 | -.43( .98), =.66 | (-2.36,1.50) | -.43(-.51,-.33) | -.00( .01), =.77 | -.01( .04), =.77 | (-.09, .07) | -.01(-.12, .10) |
| delayed/working memory | map | fev | digit\_o | 321 | -.01( .04), =.74 | -.02( .08), =.74 | (-.18, .13) | -.02(-.13, .08) | .00( .00), =.96 | .09(1.68), =.96 | (-3.19,3.37) | .00(-.11, .11) | .00( .01), =.95 | .00( .05), =.95 | (-.10, .11) | .00(-.11, .11) |
| delayed/working memory | map | fev | logic\_de | 321 | .23( .12), =.05 \* | .14( .07), =.04 \* | ( .00, .27) | .14( .03, .24) | .00( .01), =.90 | .05( .44), =.90 | (-.80, .91) | .06(-.05, .17) | -.01( .02), =.76 | -.01( .04), =.76 | (-.10, .07) | -.01(-.12, .10) |
| delayed/working memory | map | fev | word\_de | 321 | .08( .07), =.25 | .10( .08), =.25 | (-.07, .26) | .09(-.02, .20) | .00( .00), =.43 | .69(1.04), =.50 | (-1.34,2.72) | .57( .49, .64) | .00( .01), =.92 | .00( .05), =.92 | (-.09, .10) | .00(-.11, .11) |
| delayed/working memory | nas | fev | digit\_b\_tot | 1131 | .22( .42), =.59 | .03( .05), =.59 | (-.07, .13) | .03(-.03, .09) | .00( .00), =.74 | .10( .30), =.73 | (-.49, .69) | .12( .06, .18) | .09( .07), =.19 | .04( .03), =.19 | (-.02, .10) | .04(-.02, .10) |
| delayed/working memory | nas | fev | word\_de | 1131 | .57( .32), =.07 . | .08( .05), =.07 . | (-.01, .17) | .08( .03, .14) | -.00( .00), =.77 | -.03( .12), =.77 | (-.26, .19) | -.06(-.12,-.01) | .04( .05), =.50 | .02( .03), =.50 | (-.04, .08) | .02(-.04, .08) |
| delayed/working memory | octo | pef | digit\_b | 138 | 29.48(12.37), =.02 \* | .31( .13), =.02 \* | ( .06, .57) | .31( .15, .46) | .37( .34), =.28 | .46( .40), =.25 | (-.32,1.25) | .46( .31, .58) | -5.41(4.73), =.25 | -.10( .08), =.23 | (-.25, .06) | -.10(-.26, .07) |
| delayed/working memory | satsa | fev | digit\_b | 299 | .09( .04), =.03 \* | .20( .09), =.03 \* | ( .02, .38) | .20( .09, .31) | .00( .00), =.41 | -.50( .69), =.47 | (-1.86, .86) | --- | -.01( .01), =.42 | -.03( .04), =.42 | (-.11, .05) | -.07(-.18, .04) |
| memory | eas | pef | word\_im | 324 | 31.41(55.06), =.57 | .07( .12), =.57 | (-.17, .31) | .07(-.04, .18) | 3.54(3.81), =.35 | .38( .42), =.37 | (-.45,1.21) | .38( .28, .47) | 6.38(15.70), =.68 | .03( .08), =.68 | (-.12, .18) | .03(-.08, .14) |
| memory | elsa | fev | word\_im | 3091 | .03( .02), =.15 | .06( .04), =.15 | (-.02, .13) | .06( .02, .09) | .00( .00), =.52 | -.11( .18), =.53 | (-.46, .24) | .00(-.04, .04) | .02( .01), =.06 . | .05( .02), =.06 . | (-.00, .09) | .05( .01, .08) |
| memory | hrs | pef | word\_im | 3288 | 23.98(3.09), <.01 \*\*\* | .26( .03), <.01 \*\*\* | ( .19, .32) | .26( .22, .29) | .05( .07), =.47 | .37( .59), =.53 | (-.78,1.52) | .37( .34, .40) | 2.27(1.45), =.12 | .04( .02), =.12 | (-.01, .08) | .04( .00, .07) |
| memory | lasa | pef | word\_im | 800 | 35.22(17.06), =.04 \* | .10( .05), =.04 \* | ( .01, .20) | .10( .03, .17) | .03( .11), =.81 | .11( .44), =.80 | (-.76, .98) | .11( .04, .18) | 19.63(5.39), <.01 \*\*\* | .10( .03), <.01 \*\*\* | ( .05, .15) | .10( .03, .17) |
| memory | map | fev | bstory\_im | 321 | .09( .06), =.15 | .16( .11), =.14 | (-.05, .37) | .16( .05, .26) | .00( .00), =.28 | .80(1.12), =.47 | (-1.39,3.00) | 1.07( NaN, NaN) | -.02( .01), =.29 | -.05( .05), =.29 | (-.14, .04) | -.05(-.16, .06) |
| memory | map | fev | digit\_f | 321 | .06( .06), =.27 | .08( .07), =.27 | (-.06, .22) | .08(-.03, .19) | .00( .00), =.78 | .26(1.03), =.80 | (-1.75,2.27) | .29( .19, .39) | -.01( .01), =.56 | -.02( .04), =.56 | (-.11, .06) | -.03(-.14, .08) |
| memory | map | fev | logic\_im | 321 | .16( .11), =.14 | .11( .07), =.14 | (-.03, .25) | .11(-.00, .22) | .00( .01), =.90 | .12(1.05), =.91 | (-1.93,2.17) | .16( .05, .26) | -.01( .02), =.78 | -.01( .04), =.78 | (-.10, .07) | -.01(-.12, .10) |
| memory | map | fev | word\_im | 321 | .06( .11), =.56 | .05( .08), =.56 | (-.11, .21) | .05(-.06, .16) | .00( .01), =.53 | .54( .97), =.58 | (-1.37,2.44) | .47( .38, .55) | .05( .03), =.04 \* | .10( .05), =.04 \* | ( .00, .19) | .10(-.01, .20) |
| memory | map | fev | word\_rec | 321 | .00( .04), =.93 | .01( .08), =.93 | (-.14, .16) | .01(-.10, .12) | -.00( .00), =.22 | -.58( .43), =.18 | (-1.43, .27) | -.55(-.62,-.47) | .01( .01), =.19 | .06( .05), =.17 | (-.03, .16) | .06(-.05, .17) |
| memory | nas | fev | word\_im | 1131 | 1.35( .63), =.03 \* | .11( .05), =.03 \* | ( .01, .20) | .11( .05, .16) | .00( .00), =.38 | .15( .18), =.39 | (-.20, .50) | .15( .09, .21) | -.13( .11), =.23 | -.03( .03), =.23 | (-.09, .02) | -.03(-.09, .02) |
| memory | octo | pef | digit\_f | 138 | -7.21(11.26), =.52 | -.09( .14), =.52 | (-.35, .18) | -.09(-.25, .08) | .36( .19), =.06 . | .63( .17), <.01 \*\*\* | ( .29, .96) | .62( .51, .71) | .45(2.57), =.86 | .01( .06), =.86 | (-.11, .13) | .01(-.16, .18) |
| memory | octo | pef | mir | 137 | 76.75(20.62), <.01 \*\*\* | .58( .12), <.01 \*\*\* | ( .35, .81) | .58( .45, .68) | .84( .44), =.06 . | .43( .17), =.01 \*\* | ( .10, .76) | .43( .28, .56) | -1.34(6.98), =.85 | -.02( .09), =.85 | (-.19, .16) | -.02(-.18, .15) |
| memory | octo | pef | mir\_recog | 137 | 40.64(25.66), =.11 | .51( .17), <.01 \*\* | ( .18, .84) | .51( .38, .63) | .22( .58), =.70 | .28( .60), =.65 | (-.90,1.45) | .28( .12, .43) | 2.71(3.72), =.47 | .04( .06), =.46 | (-.07, .15) | .04(-.13, .21) |
| memory | octo | pef | prose\_im | 136 | 63.89(39.91), =.11 | .22( .13), =.10 . | (-.04, .48) | .22( .05, .37) | -.17( .42), =.69 | -.26( .53), =.62 | (-1.29, .77) | -.25(-.40,-.09) | 11.87(16.64), =.48 | .10( .14), =.47 | (-.18, .38) | .10(-.07, .26) |
| memory | satsa | fev | digit\_f | 299 | .07( .04), =.12 | .15( .09), =.11 | (-.03, .33) | .15( .04, .26) | .00( .00), =.75 | .20( .61), =.75 | (-1.00,1.40) | --- | .01( .01), =.36 | .05( .05), =.36 | (-.06, .15) | .14( .02, .24) |
| memory | satsa | fev | fig\_mem | 298 | .40( .17), =.02 \* | .23( .09), =.01 \*\* | ( .06, .40) | .23( .12, .33) | .00( .00), =.89 | .05( .38), =.89 | (-.68, .79) | --- | .01( .04), =.82 | .01( .04), =.82 | (-.08, .10) | .01(-.10, .12) |
| mental status | eas | pef | mmse | 324 | 25.56(13.13), =.05 . | .31( .16), =.05 \* | ( .00, .61) | .31( .20, .40) | .96( .97), =.32 | .76(1.10), =.49 | (-1.40,2.91) | .76( .71, .80) | -2.22(2.75), =.42 | -.05( .06), =.42 | (-.16, .07) | -.05(-.16, .06) |
| mental status | hrs | pef | serial7 | 3287 | 13.68(3.34), <.01 \*\*\* | .16( .04), <.01 \*\*\* | ( .08, .24) | .16( .13, .19) | .15( .09), =.10 . | .21( .13), =.10 . | (-.04, .47) | .21( .18, .25) | 2.17(1.87), =.25 | .03( .03), =.24 | (-.02, .09) | .03(-.00, .07) |
| mental status | map | fev | ideas | 321 | -.00( .02), =.82 | -.02( .08), =.82 | (-.17, .13) | -.02(-.13, .09) | -.00( .00), =.32 | -.36( .38), =.34 | (-1.12, .39) | -.38(-.47,-.29) | .00( .00), =.41 | .04( .05), =.42 | (-.06, .15) | .04(-.07, .15) |
| mental status | map | fev | mmse | 321 | .03( .06), =.63 | .04( .08), =.66 | (-.13, .20) | .04(-.07, .15) | -.00( .01), =.44 | -.58( .79), =.46 | (-2.12, .96) | -.55(-.62,-.47) | .00( .01), =.72 | .02( .05), =.72 | (-.08, .11) | .02(-.09, .13) |
| mental status | nas | fev | mmse | 1131 | .81( .29), <.01 \*\* | .20( .07), =.01 \*\* | ( .05, .34) | .20( .14, .25) | -.00( .00), =.61 | -.12( .23), =.61 | (-.56, .33) | -.12(-.18,-.06) | -.05( .06), =.44 | -.02( .03), =.44 | (-.08, .03) | -.02(-.08, .04) |
| mental status | octo | pef | clock | 138 | 31.30(18.79), =.10 . | .27( .14), =.06 . | (-.01, .55) | .27( .11, .42) | -.17( .56), =.76 | -.17( .53), =.74 | (-1.22, .87) | -.17(-.33,-.01) | 3.87(10.84), =.72 | .04( .11), =.72 | (-.18, .26) | .04(-.13, .21) |
| mental status | octo | pef | mmse | 140 | 102.71(31.38), <.01 \*\*\* | .66( .14), <.01 \*\*\* | ( .40, .92) | .66( .56, .74) | .29( .73), =.69 | .15( .37), =.69 | (-.58, .87) | .15(-.02, .31) | 22.58(24.55), =.36 | .14( .16), =.38 | (-.18, .47) | .14(-.02, .30) |
| mental status | satsa | fev | mmse | 299 | .12( .09), =.19 | .16( .12), =.18 | (-.08, .40) | .16( .05, .27) | .00( .00), =.28 | .35( .30), =.24 | (-.24, .94) | --- | .02( .02), =.29 | .05( .05), =.28 | (-.04, .14) | .05(-.06, .16) |
| perceptual speed | eas | pef | symbol | 324 | 444.24(125.41), <.01 \*\*\* | .40( .10), <.01 \*\*\* | ( .21, .59) | .40( .30, .48) | 17.97(9.06), =.05 \* | .67( .32), =.04 \* | ( .04,1.31) | .67( .61, .73) | -43.62(22.17), =.05 \* | -.13( .07), =.04 \* | (-.27,-.00) | -.13(-.24,-.03) |
| perceptual speed | lasa | pef | letter | 800 | 79.73(21.48), <.01 \*\*\* | .16( .04), <.01 \*\*\* | ( .08, .24) | .16( .09, .23) | .16( .11), =.13 | .18( .12), =.13 | (-.05, .42) | .18( .12, .25) | 14.97(3.66), <.01 \*\*\* | .12( .03), <.01 \*\*\* | ( .07, .18) | .12( .05, .19) |
| perceptual speed | map | fev | num\_comp | 321 | .06( .21), =.77 | .02( .07), =.77 | (-.12, .16) | .02(-.09, .13) | -.02( .01), =.13 | -.75( .49), =.13 | (-1.72, .22) | -.89(-.91,-.86) | .02( .03), =.63 | .02( .04), =.64 | (-.06, .11) | .02(-.09, .13) |
| perceptual speed | map | fev | symbol | 321 | .72( .33), =.03 \* | .16( .07), =.02 \* | ( .02, .31) | .16( .06, .27) | -.01( .02), =.60 | -.36( .81), =.65 | (-1.95,1.22) | -.31(-.41,-.21) | .06( .04), =.17 | .06( .05), =.17 | (-.03, .15) | .06(-.05, .17) |
| perceptual speed | octo | pef | psif | 127 | 87.96(36.10), =.01 \* | .36( .12), <.01 \*\* | ( .12, .60) | .36( .19, .50) | 1.14( .91), =.21 | .51( .29), =.08 . | (-.06,1.08) | .51( .37, .63) | -9.02(10.59), =.39 | -.09( .10), =.39 | (-.28, .11) | -.09(-.26, .09) |
| perceptual speed | octo | pef | symbol | 133 | 244.57(93.20), =.01 \*\* | .31( .11), <.01 \*\* | ( .10, .52) | .31( .15, .46) | 3.13(1.47), =.03 \* | .73( .14), <.01 \*\*\* | ( .45,1.01) | .73( .64, .80) | -9.63(17.12), =.57 | -.04( .07), =.57 | (-.18, .10) | -.04(-.21, .13) |
| perceptual speed | satsa | fev | symbol | 299 | .96( .41), =.02 \* | .20( .08), =.01 \* | ( .04, .36) | .20( .09, .31) | .00( .00), =.81 | .07( .27), =.80 | (-.46, .59) | --- | .02( .09), =.82 | .01( .06), =.82 | (-.10, .12) | .03(-.08, .14) |
| verbal knowledge | eas | pef | bnt | 324 | 6.98(25.80), =.79 | .04( .14), =.79 | (-.23, .30) | .04(-.07, .15) | .25(2.17), =.91 | .16(1.40), =.91 | (-2.58,2.91) | .16( .06, .27) | 4.05(4.79), =.40 | .05( .06), =.40 | (-.07, .18) | .05(-.06, .16) |
| verbal knowledge | eas | pef | categories | 324 | 54.30(88.35), =.54 | .07( .11), =.54 | (-.15, .28) | .07(-.04, .18) | 5.08(4.99), =.31 | .30( .28), =.29 | (-.25, .85) | .30( .20, .39) | 6.40(16.74), =.70 | .02( .06), =.70 | (-.10, .15) | .02(-.08, .13) |
| verbal knowledge | eas | pef | fas | 324 | 145.88(108.60), =.18 | .14( .11), =.17 | (-.06, .35) | .15( .04, .25) | -2.03(6.53), =.76 | -.42(1.79), =.81 | (-3.93,3.08) | -.42(-.51,-.33) | 5.89(22.57), =.79 | .02( .07), =.79 | (-.12, .16) | .02(-.09, .13) |
| verbal knowledge | eas | pef | waisvocab | 324 | -12.89(116.46), =.91 | -.01( .13), =.91 | (-.27, .24) | -.01(-.12, .09) | -7.50(9.32), =.42 | -.58( .72), =.42 | (-2.00, .84) | -.58(-.65,-.51) | -6.48(27.33), =.81 | -.02( .07), =.81 | (-.15, .12) | -.02(-.13, .09) |
| verbal knowledge | map | fev | bnt | 321 | .04( .04), =.30 | .07( .08), =.35 | (-.08, .23) | .08(-.03, .18) | .00( .00), =.89 | .16(1.34), =.90 | (-2.46,2.78) | .00(-.11, .11) | -.00( .01), =.53 | -.04( .06), =.53 | (-.15, .08) | -.04(-.15, .07) |
| verbal knowledge | map | fev | categories | 321 | .62( .29), =.03 \* | .16( .07), =.02 \* | ( .02, .30) | .16( .05, .27) | .00( .01), =.75 | .17( .50), =.73 | (-.82,1.16) | .14( .03, .24) | -.01( .05), =.76 | -.01( .05), =.76 | (-.11, .08) | -.01(-.12, .10) |
| verbal knowledge | map | fev | nart | 321 | .11( .06), =.07 . | .11( .06), =.07 . | (-.01, .23) | .11(-.00, .22) | .00( .00), =.98 | -.01( .59), =.98 | (-1.18,1.15) | .00(-.11, .11) | -.00( .01), =.70 | -.02( .05), =.70 | (-.12, .08) | -.02(-.13, .09) |
| verbal knowledge | nas | fev | animals | 1131 | -.92( .82), =.26 | -.05( .05), =.26 | (-.15, .04) | -.05(-.11, .00) | -.00( .00), =.87 | -.03( .17), =.87 | (-.37, .31) | -.04(-.09, .02) | .15( .14), =.29 | .03( .03), =.30 | (-.03, .09) | .03(-.03, .09) |
| verbal knowledge | octo | pef | information | 138 | 40.22(74.88), =.59 | .06( .12), =.59 | (-.17, .29) | .06(-.11, .23) | -.27(1.54), =.86 | -.07( .39), =.86 | (-.82, .69) | -.07(-.23, .10) | 9.16(14.72), =.53 | .05( .08), =.53 | (-.10, .20) | .05(-.12, .21) |
| verbal knowledge | octo | pef | synonyms | 132 | 49.67(58.44), =.40 | .11( .13), =.38 | (-.14, .36) | .11(-.06, .28) | .14( .67), =.84 | .10( .48), =.83 | (-.83,1.04) | .10(-.07, .27) | 6.29(13.70), =.65 | .05( .10), =.64 | (-.15, .24) | .05(-.13, .22) |
| verbal knowledge | satsa | fev | analogies | 299 | .15( .14), =.29 | .11( .10), =.29 | (-.09, .31) | .11(-.00, .22) | .00( .00), =.94 | -.04( .62), =.95 | (-1.27,1.18) | --- | .04( .04), =.26 | .06( .05), =.25 | (-.04, .16) | .06(-.05, .17) |
| verbal knowledge | satsa | fev | information | 299 | .35( .27), =.20 | .11( .08), =.18 | (-.05, .26) | .11(-.01, .22) | .00( .00), =.92 | -.03( .30), =.93 | (-.62, .57) | --- | .09( .04), =.03 \* | .11( .05), =.03 \* | ( .01, .20) | .11(-.01, .22) |
| verbal knowledge | satsa | fev | synonyms | 299 | .30( .20), =.14 | .13( .08), =.13 | (-.04, .29) | .13( .01, .24) | .00( .00), =.81 | .10( .41), =.81 | (-.71, .91) | --- | .03( .03), =.34 | .04( .05), =.34 | (-.05, .13) | .04(-.07, .16) |
| visualization | eas | pef | block | 324 | 233.41(84.93), =.01 \*\* | .31( .11), <.01 \*\* | ( .09, .53) | .31( .21, .40) | 5.16(5.36), =.34 | .58( .72), =.42 | (-.84,2.00) | .58( .50, .65) | -32.02(19.98), =.11 | -.11( .07), =.11 | (-.25, .02) | -.11(-.22,-.00) |
| visualization | lasa | pef | raven\_color\_ab | 800 | 44.79(11.81), <.01 \*\*\* | .18( .05), <.01 \*\*\* | ( .09, .27) | .18( .12, .25) | .19( .06), <.01 \*\* | .54( .19), <.01 \*\* | ( .17, .92) | .56( .51, .60) | 3.44(2.98), =.25 | .03( .03), =.25 | (-.02, .09) | .03(-.04, .10) |
| visualization | map | fev | line | 321 | .17( .08), =.05 \* | .15( .08), =.04 \* | ( .01, .30) | .15( .05, .26) | .00( .00), =.60 | .39( .74), =.60 | (-1.05,1.83) | .29( .19, .39) | -.01( .02), =.68 | -.02( .04), =.68 | (-.10, .07) | -.02(-.13, .09) |
| visualization | map | fev | raven\_standard | 308 | .07( .07), =.28 | .08( .08), =.28 | (-.07, .23) | .08(-.03, .19) | .00( .00), =.45 | .43( .68), =.52 | (-.89,1.76) | .41( .31, .50) | -.01( .02), =.70 | -.02( .04), =.70 | (-.10, .07) | -.02(-.13, .10) |
| visualization | octo | pef | block | 136 | 158.68(61.01), =.01 \*\* | .30( .12), =.01 \*\* | ( .08, .53) | .30( .14, .45) | 1.05( .82), =.20 | .75( .18), <.01 \*\*\* | ( .39,1.10) | .75( .66, .81) | 19.93(11.46), =.08 . | .11( .07), =.08 . | (-.02, .24) | .11(-.06, .28) |
| visualization | octo | pef | fig\_logic | 133 | 67.17(33.87), =.05 \* | .29( .13), =.03 \* | ( .03, .55) | .29( .12, .44) | 1.08( .60), =.07 . | .79( .14), <.01 \*\*\* | ( .51,1.06) | .78( .71, .84) | 2.25(13.70), =.87 | .01( .08), =.87 | (-.15, .18) | .01(-.16, .18) |
| visualization | satsa | fev | block | 299 | .62( .25), =.01 \* | .20( .08), =.01 \*\* | ( .05, .35) | .20( .09, .30) | .00( .00), =.49 | .14( .21), =.49 | (-.27, .56) | --- | .01( .05), =.89 | .01( .05), =.89 | (-.10, .11) | .02(-.10, .13) |
| visualization | satsa | fev | rotate | 298 | 1.50( .69), =.03 \* | .19( .08), =.02 \* | ( .03, .35) | .19( .08, .30) | .00( .00), =.73 | .14( .38), =.72 | (-.60, .87) | --- | .06( .15), =.69 | .02( .05), =.69 | (-.08, .11) | .02(-.10, .13) |
| NA | nas | fev | digit\_b | 1131 | .16( .25), =.52 | .04( .05), =.52 | (-.07, .14) | .03(-.02, .09) | .00( .00), =.22 | .51( .67), =.45 | (-.81,1.83) | --- | .05( .04), =.26 | .03( .03), =.26 | (-.02, .09) | .03(-.03, .09) |
| NA | nas | fev | fig\_copy | 1131 | 3.30( .99), <.01 \*\*\* | .19( .06), <.01 \*\*\* | ( .08, .30) | .19( .13, .25) | .01( .01), =.11 | .52( .43), =.23 | (-.33,1.36) | .52( .47, .56) | -.60( .20), <.01 \*\* | -.09( .03), <.01 \*\* | (-.15,-.04) | -.09(-.15,-.04) |
| NA | nas | fev | pat\_comp | 1131 | -.05( .28), =.86 | -.01( .06), =.86 | (-.13, .11) | -.01(-.07, .05) | -.00( .00), =.27 | -.25( .28), =.37 | (-.81, .30) | -.23(-.28,-.17) | .04( .05), =.44 | .03( .03), =.44 | (-.04, .09) | .03(-.03, .08) |

## female

Parsed with column specification:  
cols(  
 domain = col\_character(),  
 domain\_new = col\_character(),  
 study = col\_character(),  
 physical = col\_character(),  
 cognitive = col\_character()  
)  
Joining, by = c("domain", "study", "physical", "cognitive")

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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(Residuals)Est | CI(Residuals)Est | Corr(Residuals)Comp |
| delayed/working memory | eas | pef | digit\_tot | 545 | 23.08(16.20), =.15 | .13( .09), =.15 | (-.05, .32) | .13( .05, .22) | 1.63(1.21), =.18 | .44( .31), =.15 | (-.16,1.04) | .44( .37, .50) | -1.79(3.12), =.57 | -.03( .05), =.57 | (-.12, .07) | -.03(-.11, .06) |
| delayed/working memory | eas | pef | logic\_tot | 324 | 35.38(61.57), =.57 | .07( .12), =.57 | (-.16, .29) | .07(-.04, .17) | 2.85(4.29), =.51 | .30( .46), =.51 | (-.59,1.19) | .30( .19, .39) | -7.57(15.76), =.63 | -.03( .07), =.63 | (-.17, .10) | -.03(-.14, .08) |
| delayed/working memory | eas | pef | trailsb | 545 | -402.35(273.61), =.14 | -.13( .09), =.12 | (-.30, .04) | -.13(-.21,-.05) | 9.47(19.46), =.63 | .28( .66), =.66 | (-1.00,1.57) | .29( .21, .36) | -24.99(71.97), =.73 | -.02( .05), =.73 | (-.11, .08) | -.02(-.10, .07) |
| delayed/working memory | elsa | fev | word\_de | 3511 | .02( .02), =.25 | .05( .04), =.25 | (-.03, .13) | .05( .01, .08) | .00( .00), =.63 | -.43(1.05), =.68 | (-2.49,1.64) | --- | .01( .01), =.57 | .01( .03), =.56 | (-.04, .07) | .02(-.02, .05) |
| delayed/working memory | hrs | pef | word\_de | 4611 | 22.08(2.27), <.01 \*\*\* | .28( .03), <.01 \*\*\* | ( .23, .33) | .28( .25, .31) | .10( .05), =.04 \* | .69( .50), =.17 | (-.30,1.68) | .70( .69, .72) | 2.00(1.03), =.05 . | .04( .02), =.05 . | (-.00, .07) | .04( .01, .07) |
| delayed/working memory | map | fev | bstory\_de | 935 | .01( .02), =.74 | .02( .06), =.74 | (-.09, .13) | .02(-.04, .08) | .00( .00), =.97 | -.02( .47), =.97 | (-.94, .90) | --- | -.01( .01), =.17 | -.04( .03), =.17 | (-.09, .02) | -.04(-.10, .03) |
| delayed/working memory | map | fev | digit\_b | 935 | .06( .02), =.01 \*\* | .12( .04), =.01 \*\* | ( .03, .21) | .12( .06, .18) | .00( .00), =.10 | .68( .53), =.20 | (-.36,1.73) | --- | -.01( .01), =.18 | -.04( .03), =.18 | (-.10, .02) | -.04(-.11, .02) |
| delayed/working memory | map | fev | digit\_o | 935 | .06( .02), <.01 \*\*\* | .18( .05), <.01 \*\*\* | ( .08, .27) | .18( .11, .24) | .00( .00), =.69 | -.20( .57), =.72 | (-1.33, .92) | --- | .00( .00), =.28 | .03( .03), =.28 | (-.02, .09) | .03(-.03, .09) |
| delayed/working memory | map | fev | logic\_de | 935 | .05( .05), =.31 | .05( .04), =.31 | (-.04, .13) | .05(-.02, .11) | -.00( .00), =.14 | -.60( .79), =.44 | (-2.15, .94) | --- | .00( .01), =.78 | .01( .03), =.78 | (-.05, .07) | .01(-.06, .07) |
| delayed/working memory | map | fev | word\_de | 935 | .02( .02), =.41 | .04( .05), =.41 | (-.05, .13) | .04(-.03, .10) | -.00( .00), =.29 | -.58( .84), =.49 | (-2.23,1.07) | --- | .00( .01), =.53 | .02( .03), =.53 | (-.04, .07) | .01(-.05, .08) |
| delayed/working memory | octo | pef | digit\_b | 276 | 8.67(5.94), =.14 | .18( .13), =.16 | (-.07, .44) | .19( .07, .30) | .04( .12), =.77 | .16( .50), =.76 | (-.82,1.14) | .14( .03, .26) | .81(2.51), =.74 | .02( .05), =.75 | (-.08, .11) | .02(-.10, .13) |
| delayed/working memory | satsa | fev | digit\_b | 409 | .08( .03), <.01 \*\*\* | .31( .10), <.01 \*\*\* | ( .12, .50) | .31( .22, .39) | .00( .00), =.17 | .34( .24), =.17 | (-.14, .82) | --- | -.01( .01), =.51 | -.03( .05), =.51 | (-.13, .07) | -.04(-.13, .06) |
| memory | eas | pef | word\_im | 545 | 78.74(26.90), <.01 \*\* | .29( .10), <.01 \*\* | ( .10, .48) | .29( .21, .36) | 3.12(2.14), =.14 | .64( .53), =.23 | (-.39,1.67) | .64( .58, .68) | -5.33(6.52), =.41 | -.04( .05), =.41 | (-.14, .06) | -.04(-.12, .04) |
| memory | elsa | fev | word\_im | 3511 | .03( .02), =.09 . | .07( .04), =.09 . | (-.01, .15) | .07( .04, .10) | .00( .00), =.68 | -.16( .43), =.71 | (-1.00, .68) | --- | .01( .01), =.29 | .02( .02), =.28 | (-.02, .07) | .02(-.01, .06) |
| memory | hrs | pef | word\_im | 4612 | 18.90(1.80), <.01 \*\*\* | .31( .03), <.01 \*\*\* | ( .26, .37) | .31( .29, .34) | .04( .04), =.30 | .44( .55), =.43 | (-.65,1.53) | .44( .42, .47) | 1.71( .85), =.04 \* | .04( .02), =.04 \* | ( .00, .07) | .04( .01, .07) |
| memory | lasa | pef | word\_im | 782 | 37.66(13.01), <.01 \*\* | .16( .05), <.01 \*\* | ( .06, .27) | .16( .09, .23) | .01( .06), =.86 | .10( .57), =.86 | (-1.02,1.22) | .10( .03, .17) | 25.45(4.52), <.01 \*\*\* | .14( .02), <.01 \*\*\* | ( .09, .18) | .14( .07, .20) |
| memory | map | fev | bstory\_im | 935 | .03( .02), =.12 | .09( .06), =.12 | (-.02, .20) | .09( .03, .15) | .00( .00), =.84 | .11( .60), =.85 | (-1.06,1.29) | --- | -.01( .01), =.22 | -.03( .03), =.22 | (-.09, .02) | -.03(-.10, .03) |
| memory | map | fev | digit\_f | 935 | .07( .02), <.01 \*\* | .13( .04), <.01 \*\* | ( .04, .22) | .13( .06, .19) | .00( .00), =.98 | .01( .60), =.98 | (-1.17,1.19) | --- | .00( .01), =.46 | .02( .03), =.46 | (-.04, .08) | .02(-.04, .08) |
| memory | map | fev | logic\_im | 935 | .05( .05), =.33 | .04( .05), =.33 | (-.05, .14) | .04(-.02, .11) | -.00( .00), =.80 | -.11( .47), =.81 | (-1.03, .81) | --- | .00( .01), =.91 | .00( .03), =.91 | (-.05, .06) | .00(-.06, .07) |
| memory | map | fev | word\_im | 935 | .11( .05), =.02 \* | .11( .04), =.02 \* | ( .02, .20) | .11( .04, .17) | -.01( .00), =.09 . | -.55( .43), =.19 | (-1.39, .28) | --- | .01( .01), =.34 | .03( .03), =.33 | (-.03, .09) | .03(-.03, .09) |
| memory | map | fev | word\_rec | 935 | .00( .01), =.68 | .02( .04), =.68 | (-.07, .10) | .02(-.05, .08) | .00( .00), =.95 | .08(1.14), =.95 | (-2.16,2.32) | --- | .00( .00), =.89 | .00( .03), =.89 | (-.05, .06) | .00(-.06, .06) |
| memory | octo | pef | digit\_f | 276 | -.03(5.00), =.99 | -.00( .10), =.99 | (-.20, .20) | -.00(-.12, .12) | -.12( .11), =.28 | -.30( .25), =.24 | (-.79, .20) | -.29(-.39,-.18) | .46(1.85), =.80 | .01( .05), =.80 | (-.09, .11) | .01(-.11, .13) |
| memory | octo | pef | mir | 271 | 13.19(10.49), =.21 | .13( .10), =.20 | (-.07, .33) | .13( .01, .24) | .27( .42), =.53 | .18( .28), =.53 | (-.37, .72) | .18( .06, .29) | 3.53(3.78), =.35 | .06( .06), =.35 | (-.06, .17) | .06(-.06, .17) |
| memory | octo | pef | mir\_recog | 271 | 2.85(2.73), =.30 | .07( .07), =.30 | (-.06, .20) | .07(-.05, .19) | .26( .28), =.36 | .52( .32), =.10 | (-.11,1.15) | .54( .45, .62) | 3.84(1.89), =.04 \* | .15( .06), =.02 \* | ( .03, .27) | .15( .03, .26) |
| memory | octo | pef | prose\_im | 268 | 27.30(17.51), =.12 | .15( .09), =.11 | (-.04, .33) | .15( .03, .26) | -.09( .56), =.87 | -.06( .37), =.87 | (-.78, .66) | -.06(-.18, .06) | 7.16(5.99), =.23 | .07( .06), =.24 | (-.05, .20) | .07(-.05, .19) |
| memory | satsa | fev | digit\_f | 409 | .02( .02), =.37 | .09( .10), =.37 | (-.10, .27) | .09(-.01, .18) | .00( .00), =.92 | .06( .61), =.92 | (-1.14,1.26) | --- | .02( .01), =.01 \*\* | .11( .04), =.01 \*\* | ( .03, .19) | .11( .01, .21) |
| memory | satsa | fev | fig\_mem | 409 | .10( .08), =.25 | .10( .08), =.25 | (-.07, .26) | .10( .00, .19) | .00( .00), =.29 | .25( .24), =.29 | (-.21, .71) | --- | .03( .03), =.21 | .06( .04), =.21 | (-.03, .14) | .05(-.04, .15) |
| mental status | eas | pef | mmse | 545 | 11.91(7.20), =.10 . | .18( .10), =.09 . | (-.03, .38) | .18( .09, .26) | .06( .54), =.92 | .07( .73), =.92 | (-1.36,1.51) | .07(-.01, .16) | -.36(1.57), =.82 | -.01( .05), =.82 | (-.10, .08) | -.01(-.09, .07) |
| mental status | hrs | pef | serial7 | 4608 | 9.13(1.94), <.01 \*\*\* | .13( .03), <.01 \*\*\* | ( .08, .19) | .13( .10, .16) | .16( .05), <.01 \*\* | .38( .13), <.01 \*\* | ( .12, .63) | .38( .35, .40) | -1.11( .92), =.22 | -.02( .02), =.22 | (-.06, .02) | -.02(-.05, .00) |
| mental status | map | fev | ideas | 935 | .02( .01), <.01 \*\* | .19( .06), <.01 \*\*\* | ( .08, .30) | .19( .13, .25) | .00( .00), =.61 | -.24( .56), =.66 | (-1.35, .86) | --- | .00( .00), =.46 | .02( .03), =.46 | (-.04, .08) | .02(-.05, .08) |
| mental status | map | fev | mmse | 935 | .01( .02), =.71 | .02( .06), =.71 | (-.09, .14) | .02(-.04, .09) | -.00( .00), =.69 | -.20( .57), =.72 | (-1.31, .91) | --- | .01( .00), =.07 . | .05( .03), =.07 . | (-.00, .10) | .05(-.02, .11) |
| mental status | octo | pef | clock | 275 | 21.65(11.29), =.06 . | .24( .11), =.03 \* | ( .03, .46) | .24( .13, .35) | .21( .59), =.72 | .11( .31), =.72 | (-.49, .71) | .11(-.01, .23) | 6.30(6.30), =.32 | .09( .09), =.30 | (-.08, .26) | .09(-.03, .21) |
| mental status | octo | pef | mmse | 276 | 9.72(12.23), =.43 | .10( .13), =.42 | (-.14, .35) | .10(-.02, .22) | .57( .87), =.51 | .20( .32), =.52 | (-.42, .82) | .20( .09, .31) | 19.74(7.54), =.01 \*\* | .20( .07), <.01 \*\* | ( .07, .34) | .20( .08, .31) |
| mental status | satsa | fev | mmse | 411 | -.02( .05), =.72 | -.07( .18), =.72 | (-.42, .29) | -.07(-.16, .03) | .00( .00), =.10 . | .36( .20), =.07 . | (-.03, .76) | --- | .06( .02), <.01 \*\* | .14( .05), <.01 \*\* | ( .05, .23) | .14( .05, .24) |
| perceptual speed | eas | pef | symbol | 545 | 199.81(64.21), <.01 \*\* | .26( .08), <.01 \*\*\* | ( .11, .42) | .26( .18, .34) | 7.93(4.46), =.08 . | .46( .25), =.07 . | (-.03, .95) | .46( .39, .52) | 4.83(11.01), =.66 | .02( .05), =.66 | (-.08, .12) | .02(-.06, .11) |
| perceptual speed | lasa | pef | letter | 782 | 74.21(15.62), <.01 \*\*\* | .22( .04), <.01 \*\*\* | ( .13, .31) | .22( .15, .29) | -.01( .06), =.91 | -.03( .30), =.92 | (-.63, .56) | -.03(-.10, .04) | 12.67(3.60), <.01 \*\*\* | .11( .03), <.01 \*\*\* | ( .05, .17) | .11( .04, .18) |
| perceptual speed | map | fev | num\_comp | 934 | .32( .08), <.01 \*\*\* | .17( .04), <.01 \*\*\* | ( .09, .25) | .17( .11, .23) | -.00( .00), =.86 | -.10( .60), =.86 | (-1.28,1.07) | --- | -.01( .02), =.59 | -.01( .03), =.59 | (-.07, .04) | -.02(-.08, .05) |
| perceptual speed | map | fev | symbol | 934 | .49( .11), <.01 \*\*\* | .19( .04), <.01 \*\*\* | ( .11, .27) | .19( .12, .25) | .00( .01), =.77 | .12( .39), =.76 | (-.65, .88) | --- | .03( .02), =.12 | .05( .03), =.12 | (-.01, .10) | .05(-.02, .11) |
| perceptual speed | octo | pef | psif | 254 | 23.19(20.50), =.26 | .13( .11), =.25 | (-.09, .35) | .13( .01, .25) | .10( .51), =.84 | .07( .35), =.84 | (-.62, .77) | .07(-.05, .19) | 3.54(9.89), =.72 | .03( .08), =.72 | (-.14, .20) | .03(-.09, .15) |
| perceptual speed | octo | pef | symbol | 264 | 202.50(47.95), <.01 \*\*\* | .38( .08), <.01 \*\*\* | ( .22, .53) | .38( .27, .48) | 2.24(1.02), =.03 \* | .66( .17), <.01 \*\*\* | ( .32,1.00) | .66( .58, .72) | 8.33(13.91), =.55 | .03( .06), =.55 | (-.08, .15) | .03(-.09, .15) |
| perceptual speed | satsa | fev | symbol | 408 | .25( .20), =.22 | .10( .08), =.22 | (-.06, .26) | .10( .00, .20) | -.00( .00), =.39 | -.16( .20), =.42 | (-.54, .23) | --- | .05( .06), =.38 | .04( .05), =.38 | (-.05, .13) | .04(-.05, .14) |
| verbal knowledge | eas | pef | bnt | 545 | 18.42(10.03), =.07 . | .17( .09), =.06 . | (-.01, .35) | .17( .09, .25) | .17( .80), =.83 | .16( .81), =.84 | (-1.43,1.75) | .16( .08, .24) | -3.29(2.78), =.24 | -.06( .05), =.24 | (-.16, .04) | -.06(-.14, .02) |
| verbal knowledge | eas | pef | categories | 545 | 113.06(39.02), <.01 \*\* | .26( .09), <.01 \*\* | ( .09, .43) | .26( .18, .34) | 2.35(2.45), =.34 | .53( .74), =.47 | (-.92,1.98) | .53( .47, .59) | -15.48(9.68), =.11 | -.09( .06), =.10 | (-.20, .02) | -.09(-.17,-.01) |
| verbal knowledge | eas | pef | fas | 545 | 130.95(58.97), =.03 \* | .19( .08), =.02 \* | ( .03, .35) | .19( .11, .27) | .96(3.50), =.78 | .10( .38), =.79 | (-.64, .84) | .10( .02, .18) | 5.01(10.59), =.64 | .02( .05), =.64 | (-.08, .13) | .03(-.06, .11) |
| verbal knowledge | eas | pef | waisvocab | 545 | 14.27(50.35), =.78 | .03( .09), =.78 | (-.15, .21) | .03(-.06, .11) | -7.35(3.77), =.05 . | -.70( .40), =.08 . | (-1.48, .09) | -.70(-.74,-.65) | -8.95(10.78), =.41 | -.04( .05), =.41 | (-.13, .05) | -.04(-.12, .05) |
| verbal knowledge | map | fev | bnt | 934 | .03( .02), =.10 | .08( .05), =.10 | (-.02, .18) | .08( .02, .14) | .00( .00), =.92 | -.04( .43), =.92 | (-.88, .80) | --- | -.00( .00), =.35 | -.03( .03), =.35 | (-.09, .03) | -.03(-.09, .03) |
| verbal knowledge | map | fev | categories | 935 | .52( .10), <.01 \*\*\* | .23( .04), <.01 \*\*\* | ( .15, .31) | .23( .17, .29) | -.00( .00), =.37 | -.35( .44), =.42 | (-1.21, .50) | --- | -.03( .02), =.10 | -.04( .03), =.10 | (-.10, .01) | -.04(-.11, .02) |
| verbal knowledge | map | fev | nart | 932 | .09( .03), <.01 \*\*\* | .15( .04), <.01 \*\*\* | ( .07, .24) | .15( .09, .22) | .00( .00), =.56 | .32( .63), =.61 | (-.91,1.55) | --- | .00( .00), =.72 | .01( .03), =.72 | (-.05, .08) | .01(-.06, .07) |
| verbal knowledge | octo | pef | information | 275 | 61.57(51.70), =.23 | .11( .09), =.23 | (-.07, .28) | .11(-.01, .22) | .56( .85), =.51 | .20( .30), =.51 | (-.39, .78) | .19( .08, .31) | 10.61(10.96), =.33 | .06( .06), =.33 | (-.06, .17) | .06(-.06, .17) |
| verbal knowledge | octo | pef | synonyms | 265 | 44.38(26.85), =.10 . | .16( .10), =.09 . | (-.03, .36) | .16( .04, .28) | .62( .67), =.36 | .27( .32), =.40 | (-.37, .91) | .27( .15, .38) | -7.00(6.72), =.30 | -.06( .06), =.30 | (-.17, .05) | -.06(-.18, .06) |
| verbal knowledge | satsa | fev | analogies | 407 | .20( .07), =.01 \*\* | .27( .10), <.01 \*\* | ( .08, .45) | .27( .17, .35) | .00( .00), =.36 | .17( .19), =.37 | (-.20, .55) | --- | .01( .02), =.65 | .02( .04), =.65 | (-.06, .10) | .02(-.08, .12) |
| verbal knowledge | satsa | fev | information | 410 | .06( .15), =.66 | .03( .07), =.66 | (-.11, .18) | .03(-.07, .13) | .00( .00), =.05 . | .31( .16), =.06 . | (-.01, .62) | --- | .09( .03), =.01 \*\* | .11( .04), =.01 \*\* | ( .03, .18) | .11( .01, .20) |
| verbal knowledge | satsa | fev | synonyms | 409 | .23( .10), =.01 \* | .18( .07), =.01 \* | ( .04, .33) | .18( .09, .27) | .00( .00), =.21 | .33( .25), =.18 | (-.16, .81) | --- | .04( .02), =.09 . | .08( .04), =.08 . | (-.01, .17) | .08(-.02, .18) |
| visualization | eas | pef | block | 545 | 111.36(44.87), =.01 \* | .25( .10), =.01 \*\* | ( .06, .44) | .25( .17, .33) | 2.73(3.26), =.40 | .31( .36), =.40 | (-.40,1.02) | .31( .23, .38) | -2.02(8.64), =.81 | -.01( .05), =.81 | (-.11, .08) | -.01(-.10, .07) |
| visualization | lasa | pef | raven\_color\_ab | 782 | 43.20(8.05), <.01 \*\*\* | .29( .05), <.01 \*\*\* | ( .19, .39) | .29( .22, .35) | -.01( .04), =.76 | -.14( .45), =.75 | (-1.02, .73) | -.16(-.22,-.09) | .53(2.73), =.85 | .00( .03), =.85 | (-.05, .06) | .00(-.07, .08) |
| visualization | map | fev | line | 934 | .10( .03), <.01 \*\* | .14( .05), <.01 \*\* | ( .05, .24) | .14( .08, .20) | -.00( .00), =.70 | -.32( .87), =.72 | (-2.02,1.39) | --- | -.01( .01), =.10 | -.04( .03), =.11 | (-.09, .01) | -.04(-.11, .02) |
| visualization | map | fev | raven\_standard | 920 | .10( .03), <.01 \*\*\* | .18( .05), <.01 \*\*\* | ( .08, .27) | .18( .12, .24) | .00( .00), =.28 | .64( .82), =.44 | (-.97,2.24) | --- | -.01( .01), =.08 . | -.05( .03), =.08 . | (-.10, .01) | -.05(-.11, .02) |
| visualization | octo | pef | block | 272 | 86.13(33.62), =.01 \*\* | .24( .09), =.01 \*\* | ( .07, .41) | .24( .13, .35) | .05( .63), =.94 | .02( .32), =.94 | (-.60, .64) | .02(-.10, .14) | 22.80(9.33), =.01 \* | .15( .06), =.01 \* | ( .03, .26) | .15( .03, .26) |
| visualization | octo | pef | fig\_logic | 268 | 36.04(22.44), =.11 | .20( .12), =.10 . | (-.04, .45) | .20( .09, .32) | .29( .69), =.68 | .18( .43), =.67 | (-.66,1.03) | .18( .07, .30) | 1.95(7.96), =.81 | .01( .06), =.81 | (-.11, .14) | .02(-.10, .13) |
| visualization | satsa | fev | block | 408 | .41( .15), =.01 \*\* | .24( .09), <.01 \*\* | ( .07, .41) | .24( .15, .33) | .00( .00), =.44 | .19( .24), =.43 | (-.27, .65) | --- | .06( .03), =.09 . | .07( .04), =.09 . | (-.01, .16) | .07(-.03, .17) |
| visualization | satsa | fev | rotate | 407 | 1.13( .35), <.01 \*\*\* | .29( .08), <.01 \*\*\* | ( .12, .45) | .29( .19, .37) | .00( .00), =.99 | .03(1.72), =.99 | (-3.35,3.40) | --- | .02( .10), =.81 | .01( .04), =.81 | (-.07, .08) | .01(-.09, .11) |

# Grouped by study

## male

Parsed with column specification:  
cols(  
 domain = col\_character(),  
 domain\_new = col\_character(),  
 study = col\_character(),  
 physical = col\_character(),  
 cognitive = col\_character()  
)  
Joining, by = c("domain", "study", "physical", "cognitive")

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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(Residuals)Est | CI(Residuals)Est | Corr(Residuals)Comp |
| delayed/working memory | eas | pef | digit\_tot | 324 | 3.86(36.29), =.92 | .01( .12), =.92 | (-.21, .24) | .01(-.10, .12) | 1.11(2.25), =.62 | .26( .55), =.63 | (-.81,1.34) | .26( .16, .36) | 7.35(6.85), =.28 | .07( .06), =.28 | (-.06, .20) | .07(-.04, .18) |
| delayed/working memory | eas | pef | logic\_tot | 324 | 35.38(61.57), =.57 | .07( .12), =.57 | (-.16, .29) | .07(-.04, .17) | 2.85(4.29), =.51 | .30( .46), =.51 | (-.59,1.19) | .30( .19, .39) | -7.57(15.76), =.63 | -.03( .07), =.63 | (-.17, .10) | -.03(-.14, .08) |
| delayed/working memory | eas | pef | trailsb | 324 | -2188.20(674.13), <.01 \*\*\* | -.42( .11), <.01 \*\*\* | (-.64,-.20) | -.42(-.51,-.33) | -81.33(52.55), =.12 | -.96( .55), =.08 . | (-2.04, .12) | -.96(-.97,-.95) | 3.96(160.21), =.98 | .00( .07), =.98 | (-.14, .15) | .00(-.11, .11) |
| memory | eas | pef | word\_im | 324 | 31.41(55.06), =.57 | .07( .12), =.57 | (-.17, .31) | .07(-.04, .18) | 3.54(3.81), =.35 | .38( .42), =.37 | (-.45,1.21) | .38( .28, .47) | 6.38(15.70), =.68 | .03( .08), =.68 | (-.12, .18) | .03(-.08, .14) |
| mental status | eas | pef | mmse | 324 | 25.56(13.13), =.05 . | .31( .16), =.05 \* | ( .00, .61) | .31( .20, .40) | .96( .97), =.32 | .76(1.10), =.49 | (-1.40,2.91) | .76( .71, .80) | -2.22(2.75), =.42 | -.05( .06), =.42 | (-.16, .07) | -.05(-.16, .06) |
| perceptual speed | eas | pef | symbol | 324 | 444.24(125.41), <.01 \*\*\* | .40( .10), <.01 \*\*\* | ( .21, .59) | .40( .30, .48) | 17.97(9.06), =.05 \* | .67( .32), =.04 \* | ( .04,1.31) | .67( .61, .73) | -43.62(22.17), =.05 \* | -.13( .07), =.04 \* | (-.27,-.00) | -.13(-.24,-.03) |
| verbal knowledge | eas | pef | bnt | 324 | 6.98(25.80), =.79 | .04( .14), =.79 | (-.23, .30) | .04(-.07, .15) | .25(2.17), =.91 | .16(1.40), =.91 | (-2.58,2.91) | .16( .06, .27) | 4.05(4.79), =.40 | .05( .06), =.40 | (-.07, .18) | .05(-.06, .16) |
| verbal knowledge | eas | pef | categories | 324 | 54.30(88.35), =.54 | .07( .11), =.54 | (-.15, .28) | .07(-.04, .18) | 5.08(4.99), =.31 | .30( .28), =.29 | (-.25, .85) | .30( .20, .39) | 6.40(16.74), =.70 | .02( .06), =.70 | (-.10, .15) | .02(-.08, .13) |
| verbal knowledge | eas | pef | fas | 324 | 145.88(108.60), =.18 | .14( .11), =.17 | (-.06, .35) | .15( .04, .25) | -2.03(6.53), =.76 | -.42(1.79), =.81 | (-3.93,3.08) | -.42(-.51,-.33) | 5.89(22.57), =.79 | .02( .07), =.79 | (-.12, .16) | .02(-.09, .13) |
| verbal knowledge | eas | pef | waisvocab | 324 | -12.89(116.46), =.91 | -.01( .13), =.91 | (-.27, .24) | -.01(-.12, .09) | -7.50(9.32), =.42 | -.58( .72), =.42 | (-2.00, .84) | -.58(-.65,-.51) | -6.48(27.33), =.81 | -.02( .07), =.81 | (-.15, .12) | -.02(-.13, .09) |
| visualization | eas | pef | block | 324 | 233.41(84.93), =.01 \*\* | .31( .11), <.01 \*\* | ( .09, .53) | .31( .21, .40) | 5.16(5.36), =.34 | .58( .72), =.42 | (-.84,2.00) | .58( .50, .65) | -32.02(19.98), =.11 | -.11( .07), =.11 | (-.25, .02) | -.11(-.22,-.00) |
| delayed/working memory | elsa | fev | word\_de | 3091 | .04( .03), =.16 | .06( .04), =.16 | (-.02, .13) | .06( .02, .09) | .00( .00), =.54 | -.22( .39), =.58 | (-.99, .55) | .00(-.04, .04) | .02( .01), =.27 | .03( .03), =.27 | (-.02, .08) | .03(-.01, .06) |
| memory | elsa | fev | word\_im | 3091 | .03( .02), =.15 | .06( .04), =.15 | (-.02, .13) | .06( .02, .09) | .00( .00), =.52 | -.11( .18), =.53 | (-.46, .24) | .00(-.04, .04) | .02( .01), =.06 . | .05( .02), =.06 . | (-.00, .09) | .05( .01, .08) |
| delayed/working memory | hrs | pef | word\_de | 3288 | 30.33(3.72), <.01 \*\*\* | .27( .03), <.01 \*\*\* | ( .21, .34) | .27( .24, .30) | .15( .08), =.07 . | .70( .54), =.19 | (-.35,1.76) | .74( .72, .75) | 1.95(1.80), =.28 | .03( .02), =.28 | (-.02, .07) | .03(-.01, .06) |
| memory | hrs | pef | word\_im | 3288 | 23.98(3.09), <.01 \*\*\* | .26( .03), <.01 \*\*\* | ( .19, .32) | .26( .22, .29) | .05( .07), =.47 | .37( .59), =.53 | (-.78,1.52) | .37( .34, .40) | 2.27(1.45), =.12 | .04( .02), =.12 | (-.01, .08) | .04( .00, .07) |
| mental status | hrs | pef | serial7 | 3287 | 13.68(3.34), <.01 \*\*\* | .16( .04), <.01 \*\*\* | ( .08, .24) | .16( .13, .19) | .15( .09), =.10 . | .21( .13), =.10 . | (-.04, .47) | .21( .18, .25) | 2.17(1.87), =.25 | .03( .03), =.24 | (-.02, .09) | .03(-.00, .07) |
| memory | lasa | pef | word\_im | 800 | 35.22(17.06), =.04 \* | .10( .05), =.04 \* | ( .01, .20) | .10( .03, .17) | .03( .11), =.81 | .11( .44), =.80 | (-.76, .98) | .11( .04, .18) | 19.63(5.39), <.01 \*\*\* | .10( .03), <.01 \*\*\* | ( .05, .15) | .10( .03, .17) |
| perceptual speed | lasa | pef | letter | 800 | 79.73(21.48), <.01 \*\*\* | .16( .04), <.01 \*\*\* | ( .08, .24) | .16( .09, .23) | .16( .11), =.13 | .18( .12), =.13 | (-.05, .42) | .18( .12, .25) | 14.97(3.66), <.01 \*\*\* | .12( .03), <.01 \*\*\* | ( .07, .18) | .12( .05, .19) |
| visualization | lasa | pef | raven\_color\_ab | 800 | 44.79(11.81), <.01 \*\*\* | .18( .05), <.01 \*\*\* | ( .09, .27) | .18( .12, .25) | .19( .06), <.01 \*\* | .54( .19), <.01 \*\* | ( .17, .92) | .56( .51, .60) | 3.44(2.98), =.25 | .03( .03), =.25 | (-.02, .09) | .03(-.04, .10) |
| delayed/working memory | map | fev | bstory\_de | 321 | .08( .07), =.22 | .13( .10), =.21 | (-.07, .32) | .13( .02, .23) | .00( .00), =.59 | .64(2.09), =.76 | (-3.44,4.73) | .58( .50, .65) | -.01( .02), =.66 | -.02( .05), =.66 | (-.11, .07) | -.02(-.13, .09) |
| delayed/working memory | map | fev | digit\_b | 321 | .13( .06), =.03 \* | .16( .07), =.03 \* | ( .02, .31) | .16( .05, .27) | -.00( .00), =.61 | -.43( .98), =.66 | (-2.36,1.50) | -.43(-.51,-.33) | -.00( .01), =.77 | -.01( .04), =.77 | (-.09, .07) | -.01(-.12, .10) |
| delayed/working memory | map | fev | digit\_o | 321 | -.01( .04), =.74 | -.02( .08), =.74 | (-.18, .13) | -.02(-.13, .08) | .00( .00), =.96 | .09(1.68), =.96 | (-3.19,3.37) | .00(-.11, .11) | .00( .01), =.95 | .00( .05), =.95 | (-.10, .11) | .00(-.11, .11) |
| delayed/working memory | map | fev | logic\_de | 321 | .23( .12), =.05 \* | .14( .07), =.04 \* | ( .00, .27) | .14( .03, .24) | .00( .01), =.90 | .05( .44), =.90 | (-.80, .91) | .06(-.05, .17) | -.01( .02), =.76 | -.01( .04), =.76 | (-.10, .07) | -.01(-.12, .10) |
| delayed/working memory | map | fev | word\_de | 321 | .08( .07), =.25 | .10( .08), =.25 | (-.07, .26) | .09(-.02, .20) | .00( .00), =.43 | .69(1.04), =.50 | (-1.34,2.72) | .57( .49, .64) | .00( .01), =.92 | .00( .05), =.92 | (-.09, .10) | .00(-.11, .11) |
| memory | map | fev | bstory\_im | 321 | .09( .06), =.15 | .16( .11), =.14 | (-.05, .37) | .16( .05, .26) | .00( .00), =.28 | .80(1.12), =.47 | (-1.39,3.00) | 1.07( NaN, NaN) | -.02( .01), =.29 | -.05( .05), =.29 | (-.14, .04) | -.05(-.16, .06) |
| memory | map | fev | digit\_f | 321 | .06( .06), =.27 | .08( .07), =.27 | (-.06, .22) | .08(-.03, .19) | .00( .00), =.78 | .26(1.03), =.80 | (-1.75,2.27) | .29( .19, .39) | -.01( .01), =.56 | -.02( .04), =.56 | (-.11, .06) | -.03(-.14, .08) |
| memory | map | fev | logic\_im | 321 | .16( .11), =.14 | .11( .07), =.14 | (-.03, .25) | .11(-.00, .22) | .00( .01), =.90 | .12(1.05), =.91 | (-1.93,2.17) | .16( .05, .26) | -.01( .02), =.78 | -.01( .04), =.78 | (-.10, .07) | -.01(-.12, .10) |
| memory | map | fev | word\_im | 321 | .06( .11), =.56 | .05( .08), =.56 | (-.11, .21) | .05(-.06, .16) | .00( .01), =.53 | .54( .97), =.58 | (-1.37,2.44) | .47( .38, .55) | .05( .03), =.04 \* | .10( .05), =.04 \* | ( .00, .19) | .10(-.01, .20) |
| memory | map | fev | word\_rec | 321 | .00( .04), =.93 | .01( .08), =.93 | (-.14, .16) | .01(-.10, .12) | -.00( .00), =.22 | -.58( .43), =.18 | (-1.43, .27) | -.55(-.62,-.47) | .01( .01), =.19 | .06( .05), =.17 | (-.03, .16) | .06(-.05, .17) |
| mental status | map | fev | ideas | 321 | -.00( .02), =.82 | -.02( .08), =.82 | (-.17, .13) | -.02(-.13, .09) | -.00( .00), =.32 | -.36( .38), =.34 | (-1.12, .39) | -.38(-.47,-.29) | .00( .00), =.41 | .04( .05), =.42 | (-.06, .15) | .04(-.07, .15) |
| mental status | map | fev | mmse | 321 | .03( .06), =.63 | .04( .08), =.66 | (-.13, .20) | .04(-.07, .15) | -.00( .01), =.44 | -.58( .79), =.46 | (-2.12, .96) | -.55(-.62,-.47) | .00( .01), =.72 | .02( .05), =.72 | (-.08, .11) | .02(-.09, .13) |
| perceptual speed | map | fev | num\_comp | 321 | .06( .21), =.77 | .02( .07), =.77 | (-.12, .16) | .02(-.09, .13) | -.02( .01), =.13 | -.75( .49), =.13 | (-1.72, .22) | -.89(-.91,-.86) | .02( .03), =.63 | .02( .04), =.64 | (-.06, .11) | .02(-.09, .13) |
| perceptual speed | map | fev | symbol | 321 | .72( .33), =.03 \* | .16( .07), =.02 \* | ( .02, .31) | .16( .06, .27) | -.01( .02), =.60 | -.36( .81), =.65 | (-1.95,1.22) | -.31(-.41,-.21) | .06( .04), =.17 | .06( .05), =.17 | (-.03, .15) | .06(-.05, .17) |
| verbal knowledge | map | fev | bnt | 321 | .04( .04), =.30 | .07( .08), =.35 | (-.08, .23) | .08(-.03, .18) | .00( .00), =.89 | .16(1.34), =.90 | (-2.46,2.78) | .00(-.11, .11) | -.00( .01), =.53 | -.04( .06), =.53 | (-.15, .08) | -.04(-.15, .07) |
| verbal knowledge | map | fev | categories | 321 | .62( .29), =.03 \* | .16( .07), =.02 \* | ( .02, .30) | .16( .05, .27) | .00( .01), =.75 | .17( .50), =.73 | (-.82,1.16) | .14( .03, .24) | -.01( .05), =.76 | -.01( .05), =.76 | (-.11, .08) | -.01(-.12, .10) |
| verbal knowledge | map | fev | nart | 321 | .11( .06), =.07 . | .11( .06), =.07 . | (-.01, .23) | .11(-.00, .22) | .00( .00), =.98 | -.01( .59), =.98 | (-1.18,1.15) | .00(-.11, .11) | -.00( .01), =.70 | -.02( .05), =.70 | (-.12, .08) | -.02(-.13, .09) |
| visualization | map | fev | line | 321 | .17( .08), =.05 \* | .15( .08), =.04 \* | ( .01, .30) | .15( .05, .26) | .00( .00), =.60 | .39( .74), =.60 | (-1.05,1.83) | .29( .19, .39) | -.01( .02), =.68 | -.02( .04), =.68 | (-.10, .07) | -.02(-.13, .09) |
| visualization | map | fev | raven\_standard | 308 | .07( .07), =.28 | .08( .08), =.28 | (-.07, .23) | .08(-.03, .19) | .00( .00), =.45 | .43( .68), =.52 | (-.89,1.76) | .41( .31, .50) | -.01( .02), =.70 | -.02( .04), =.70 | (-.10, .07) | -.02(-.13, .10) |
| delayed/working memory | nas | fev | digit\_b\_tot | 1131 | .22( .42), =.59 | .03( .05), =.59 | (-.07, .13) | .03(-.03, .09) | .00( .00), =.74 | .10( .30), =.73 | (-.49, .69) | .12( .06, .18) | .09( .07), =.19 | .04( .03), =.19 | (-.02, .10) | .04(-.02, .10) |
| delayed/working memory | nas | fev | word\_de | 1131 | .57( .32), =.07 . | .08( .05), =.07 . | (-.01, .17) | .08( .03, .14) | -.00( .00), =.77 | -.03( .12), =.77 | (-.26, .19) | -.06(-.12,-.01) | .04( .05), =.50 | .02( .03), =.50 | (-.04, .08) | .02(-.04, .08) |
| memory | nas | fev | word\_im | 1131 | 1.35( .63), =.03 \* | .11( .05), =.03 \* | ( .01, .20) | .11( .05, .16) | .00( .00), =.38 | .15( .18), =.39 | (-.20, .50) | .15( .09, .21) | -.13( .11), =.23 | -.03( .03), =.23 | (-.09, .02) | -.03(-.09, .02) |
| mental status | nas | fev | mmse | 1131 | .81( .29), <.01 \*\* | .20( .07), =.01 \*\* | ( .05, .34) | .20( .14, .25) | -.00( .00), =.61 | -.12( .23), =.61 | (-.56, .33) | -.12(-.18,-.06) | -.05( .06), =.44 | -.02( .03), =.44 | (-.08, .03) | -.02(-.08, .04) |
| verbal knowledge | nas | fev | animals | 1131 | -.92( .82), =.26 | -.05( .05), =.26 | (-.15, .04) | -.05(-.11, .00) | -.00( .00), =.87 | -.03( .17), =.87 | (-.37, .31) | -.04(-.09, .02) | .15( .14), =.29 | .03( .03), =.30 | (-.03, .09) | .03(-.03, .09) |
| NA | nas | fev | digit\_b | 1131 | .16( .25), =.52 | .04( .05), =.52 | (-.07, .14) | .03(-.02, .09) | .00( .00), =.22 | .51( .67), =.45 | (-.81,1.83) | --- | .05( .04), =.26 | .03( .03), =.26 | (-.02, .09) | .03(-.03, .09) |
| NA | nas | fev | fig\_copy | 1131 | 3.30( .99), <.01 \*\*\* | .19( .06), <.01 \*\*\* | ( .08, .30) | .19( .13, .25) | .01( .01), =.11 | .52( .43), =.23 | (-.33,1.36) | .52( .47, .56) | -.60( .20), <.01 \*\* | -.09( .03), <.01 \*\* | (-.15,-.04) | -.09(-.15,-.04) |
| NA | nas | fev | pat\_comp | 1131 | -.05( .28), =.86 | -.01( .06), =.86 | (-.13, .11) | -.01(-.07, .05) | -.00( .00), =.27 | -.25( .28), =.37 | (-.81, .30) | -.23(-.28,-.17) | .04( .05), =.44 | .03( .03), =.44 | (-.04, .09) | .03(-.03, .08) |
| delayed/working memory | octo | pef | digit\_b | 138 | 29.48(12.37), =.02 \* | .31( .13), =.02 \* | ( .06, .57) | .31( .15, .46) | .37( .34), =.28 | .46( .40), =.25 | (-.32,1.25) | .46( .31, .58) | -5.41(4.73), =.25 | -.10( .08), =.23 | (-.25, .06) | -.10(-.26, .07) |
| memory | octo | pef | digit\_f | 138 | -7.21(11.26), =.52 | -.09( .14), =.52 | (-.35, .18) | -.09(-.25, .08) | .36( .19), =.06 . | .63( .17), <.01 \*\*\* | ( .29, .96) | .62( .51, .71) | .45(2.57), =.86 | .01( .06), =.86 | (-.11, .13) | .01(-.16, .18) |
| memory | octo | pef | mir | 137 | 76.75(20.62), <.01 \*\*\* | .58( .12), <.01 \*\*\* | ( .35, .81) | .58( .45, .68) | .84( .44), =.06 . | .43( .17), =.01 \*\* | ( .10, .76) | .43( .28, .56) | -1.34(6.98), =.85 | -.02( .09), =.85 | (-.19, .16) | -.02(-.18, .15) |
| memory | octo | pef | mir\_recog | 137 | 40.64(25.66), =.11 | .51( .17), <.01 \*\* | ( .18, .84) | .51( .38, .63) | .22( .58), =.70 | .28( .60), =.65 | (-.90,1.45) | .28( .12, .43) | 2.71(3.72), =.47 | .04( .06), =.46 | (-.07, .15) | .04(-.13, .21) |
| memory | octo | pef | prose\_im | 136 | 63.89(39.91), =.11 | .22( .13), =.10 . | (-.04, .48) | .22( .05, .37) | -.17( .42), =.69 | -.26( .53), =.62 | (-1.29, .77) | -.25(-.40,-.09) | 11.87(16.64), =.48 | .10( .14), =.47 | (-.18, .38) | .10(-.07, .26) |
| mental status | octo | pef | clock | 138 | 31.30(18.79), =.10 . | .27( .14), =.06 . | (-.01, .55) | .27( .11, .42) | -.17( .56), =.76 | -.17( .53), =.74 | (-1.22, .87) | -.17(-.33,-.01) | 3.87(10.84), =.72 | .04( .11), =.72 | (-.18, .26) | .04(-.13, .21) |
| mental status | octo | pef | mmse | 140 | 102.71(31.38), <.01 \*\*\* | .66( .14), <.01 \*\*\* | ( .40, .92) | .66( .56, .74) | .29( .73), =.69 | .15( .37), =.69 | (-.58, .87) | .15(-.02, .31) | 22.58(24.55), =.36 | .14( .16), =.38 | (-.18, .47) | .14(-.02, .30) |
| perceptual speed | octo | pef | psif | 127 | 87.96(36.10), =.01 \* | .36( .12), <.01 \*\* | ( .12, .60) | .36( .19, .50) | 1.14( .91), =.21 | .51( .29), =.08 . | (-.06,1.08) | .51( .37, .63) | -9.02(10.59), =.39 | -.09( .10), =.39 | (-.28, .11) | -.09(-.26, .09) |
| perceptual speed | octo | pef | symbol | 133 | 244.57(93.20), =.01 \*\* | .31( .11), <.01 \*\* | ( .10, .52) | .31( .15, .46) | 3.13(1.47), =.03 \* | .73( .14), <.01 \*\*\* | ( .45,1.01) | .73( .64, .80) | -9.63(17.12), =.57 | -.04( .07), =.57 | (-.18, .10) | -.04(-.21, .13) |
| verbal knowledge | octo | pef | information | 138 | 40.22(74.88), =.59 | .06( .12), =.59 | (-.17, .29) | .06(-.11, .23) | -.27(1.54), =.86 | -.07( .39), =.86 | (-.82, .69) | -.07(-.23, .10) | 9.16(14.72), =.53 | .05( .08), =.53 | (-.10, .20) | .05(-.12, .21) |
| verbal knowledge | octo | pef | synonyms | 132 | 49.67(58.44), =.40 | .11( .13), =.38 | (-.14, .36) | .11(-.06, .28) | .14( .67), =.84 | .10( .48), =.83 | (-.83,1.04) | .10(-.07, .27) | 6.29(13.70), =.65 | .05( .10), =.64 | (-.15, .24) | .05(-.13, .22) |
| visualization | octo | pef | block | 136 | 158.68(61.01), =.01 \*\* | .30( .12), =.01 \*\* | ( .08, .53) | .30( .14, .45) | 1.05( .82), =.20 | .75( .18), <.01 \*\*\* | ( .39,1.10) | .75( .66, .81) | 19.93(11.46), =.08 . | .11( .07), =.08 . | (-.02, .24) | .11(-.06, .28) |
| visualization | octo | pef | fig\_logic | 133 | 67.17(33.87), =.05 \* | .29( .13), =.03 \* | ( .03, .55) | .29( .12, .44) | 1.08( .60), =.07 . | .79( .14), <.01 \*\*\* | ( .51,1.06) | .78( .71, .84) | 2.25(13.70), =.87 | .01( .08), =.87 | (-.15, .18) | .01(-.16, .18) |
| delayed/working memory | satsa | fev | digit\_b | 299 | .09( .04), =.03 \* | .20( .09), =.03 \* | ( .02, .38) | .20( .09, .31) | .00( .00), =.41 | -.50( .69), =.47 | (-1.86, .86) | --- | -.01( .01), =.42 | -.03( .04), =.42 | (-.11, .05) | -.07(-.18, .04) |
| memory | satsa | fev | digit\_f | 299 | .07( .04), =.12 | .15( .09), =.11 | (-.03, .33) | .15( .04, .26) | .00( .00), =.75 | .20( .61), =.75 | (-1.00,1.40) | --- | .01( .01), =.36 | .05( .05), =.36 | (-.06, .15) | .14( .02, .24) |
| memory | satsa | fev | fig\_mem | 298 | .40( .17), =.02 \* | .23( .09), =.01 \*\* | ( .06, .40) | .23( .12, .33) | .00( .00), =.89 | .05( .38), =.89 | (-.68, .79) | --- | .01( .04), =.82 | .01( .04), =.82 | (-.08, .10) | .01(-.10, .12) |
| mental status | satsa | fev | mmse | 299 | .12( .09), =.19 | .16( .12), =.18 | (-.08, .40) | .16( .05, .27) | .00( .00), =.28 | .35( .30), =.24 | (-.24, .94) | --- | .02( .02), =.29 | .05( .05), =.28 | (-.04, .14) | .05(-.06, .16) |
| perceptual speed | satsa | fev | symbol | 299 | .96( .41), =.02 \* | .20( .08), =.01 \* | ( .04, .36) | .20( .09, .31) | .00( .00), =.81 | .07( .27), =.80 | (-.46, .59) | --- | .02( .09), =.82 | .01( .06), =.82 | (-.10, .12) | .03(-.08, .14) |
| verbal knowledge | satsa | fev | analogies | 299 | .15( .14), =.29 | .11( .10), =.29 | (-.09, .31) | .11(-.00, .22) | .00( .00), =.94 | -.04( .62), =.95 | (-1.27,1.18) | --- | .04( .04), =.26 | .06( .05), =.25 | (-.04, .16) | .06(-.05, .17) |
| verbal knowledge | satsa | fev | information | 299 | .35( .27), =.20 | .11( .08), =.18 | (-.05, .26) | .11(-.01, .22) | .00( .00), =.92 | -.03( .30), =.93 | (-.62, .57) | --- | .09( .04), =.03 \* | .11( .05), =.03 \* | ( .01, .20) | .11(-.01, .22) |
| verbal knowledge | satsa | fev | synonyms | 299 | .30( .20), =.14 | .13( .08), =.13 | (-.04, .29) | .13( .01, .24) | .00( .00), =.81 | .10( .41), =.81 | (-.71, .91) | --- | .03( .03), =.34 | .04( .05), =.34 | (-.05, .13) | .04(-.07, .16) |
| visualization | satsa | fev | block | 299 | .62( .25), =.01 \* | .20( .08), =.01 \*\* | ( .05, .35) | .20( .09, .30) | .00( .00), =.49 | .14( .21), =.49 | (-.27, .56) | --- | .01( .05), =.89 | .01( .05), =.89 | (-.10, .11) | .02(-.10, .13) |
| visualization | satsa | fev | rotate | 298 | 1.50( .69), =.03 \* | .19( .08), =.02 \* | ( .03, .35) | .19( .08, .30) | .00( .00), =.73 | .14( .38), =.72 | (-.60, .87) | --- | .06( .15), =.69 | .02( .05), =.69 | (-.08, .11) | .02(-.10, .13) |

## female

Parsed with column specification:  
cols(  
 domain = col\_character(),  
 domain\_new = col\_character(),  
 study = col\_character(),  
 physical = col\_character(),  
 cognitive = col\_character()  
)  
Joining, by = c("domain", "study", "physical", "cognitive")

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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(Residuals)Est | CI(Residuals)Est | Corr(Residuals)Comp |
| delayed/working memory | eas | pef | digit\_tot | 545 | 23.08(16.20), =.15 | .13( .09), =.15 | (-.05, .32) | .13( .05, .22) | 1.63(1.21), =.18 | .44( .31), =.15 | (-.16,1.04) | .44( .37, .50) | -1.79(3.12), =.57 | -.03( .05), =.57 | (-.12, .07) | -.03(-.11, .06) |
| delayed/working memory | eas | pef | logic\_tot | 324 | 35.38(61.57), =.57 | .07( .12), =.57 | (-.16, .29) | .07(-.04, .17) | 2.85(4.29), =.51 | .30( .46), =.51 | (-.59,1.19) | .30( .19, .39) | -7.57(15.76), =.63 | -.03( .07), =.63 | (-.17, .10) | -.03(-.14, .08) |
| delayed/working memory | eas | pef | trailsb | 545 | -402.35(273.61), =.14 | -.13( .09), =.12 | (-.30, .04) | -.13(-.21,-.05) | 9.47(19.46), =.63 | .28( .66), =.66 | (-1.00,1.57) | .29( .21, .36) | -24.99(71.97), =.73 | -.02( .05), =.73 | (-.11, .08) | -.02(-.10, .07) |
| memory | eas | pef | word\_im | 545 | 78.74(26.90), <.01 \*\* | .29( .10), <.01 \*\* | ( .10, .48) | .29( .21, .36) | 3.12(2.14), =.14 | .64( .53), =.23 | (-.39,1.67) | .64( .58, .68) | -5.33(6.52), =.41 | -.04( .05), =.41 | (-.14, .06) | -.04(-.12, .04) |
| mental status | eas | pef | mmse | 545 | 11.91(7.20), =.10 . | .18( .10), =.09 . | (-.03, .38) | .18( .09, .26) | .06( .54), =.92 | .07( .73), =.92 | (-1.36,1.51) | .07(-.01, .16) | -.36(1.57), =.82 | -.01( .05), =.82 | (-.10, .08) | -.01(-.09, .07) |
| perceptual speed | eas | pef | symbol | 545 | 199.81(64.21), <.01 \*\* | .26( .08), <.01 \*\*\* | ( .11, .42) | .26( .18, .34) | 7.93(4.46), =.08 . | .46( .25), =.07 . | (-.03, .95) | .46( .39, .52) | 4.83(11.01), =.66 | .02( .05), =.66 | (-.08, .12) | .02(-.06, .11) |
| verbal knowledge | eas | pef | bnt | 545 | 18.42(10.03), =.07 . | .17( .09), =.06 . | (-.01, .35) | .17( .09, .25) | .17( .80), =.83 | .16( .81), =.84 | (-1.43,1.75) | .16( .08, .24) | -3.29(2.78), =.24 | -.06( .05), =.24 | (-.16, .04) | -.06(-.14, .02) |
| verbal knowledge | eas | pef | categories | 545 | 113.06(39.02), <.01 \*\* | .26( .09), <.01 \*\* | ( .09, .43) | .26( .18, .34) | 2.35(2.45), =.34 | .53( .74), =.47 | (-.92,1.98) | .53( .47, .59) | -15.48(9.68), =.11 | -.09( .06), =.10 | (-.20, .02) | -.09(-.17,-.01) |
| verbal knowledge | eas | pef | fas | 545 | 130.95(58.97), =.03 \* | .19( .08), =.02 \* | ( .03, .35) | .19( .11, .27) | .96(3.50), =.78 | .10( .38), =.79 | (-.64, .84) | .10( .02, .18) | 5.01(10.59), =.64 | .02( .05), =.64 | (-.08, .13) | .03(-.06, .11) |
| verbal knowledge | eas | pef | waisvocab | 545 | 14.27(50.35), =.78 | .03( .09), =.78 | (-.15, .21) | .03(-.06, .11) | -7.35(3.77), =.05 . | -.70( .40), =.08 . | (-1.48, .09) | -.70(-.74,-.65) | -8.95(10.78), =.41 | -.04( .05), =.41 | (-.13, .05) | -.04(-.12, .05) |
| visualization | eas | pef | block | 545 | 111.36(44.87), =.01 \* | .25( .10), =.01 \*\* | ( .06, .44) | .25( .17, .33) | 2.73(3.26), =.40 | .31( .36), =.40 | (-.40,1.02) | .31( .23, .38) | -2.02(8.64), =.81 | -.01( .05), =.81 | (-.11, .08) | -.01(-.10, .07) |
| delayed/working memory | elsa | fev | word\_de | 3511 | .02( .02), =.25 | .05( .04), =.25 | (-.03, .13) | .05( .01, .08) | .00( .00), =.63 | -.43(1.05), =.68 | (-2.49,1.64) | --- | .01( .01), =.57 | .01( .03), =.56 | (-.04, .07) | .02(-.02, .05) |
| memory | elsa | fev | word\_im | 3511 | .03( .02), =.09 . | .07( .04), =.09 . | (-.01, .15) | .07( .04, .10) | .00( .00), =.68 | -.16( .43), =.71 | (-1.00, .68) | --- | .01( .01), =.29 | .02( .02), =.28 | (-.02, .07) | .02(-.01, .06) |
| delayed/working memory | hrs | pef | word\_de | 4611 | 22.08(2.27), <.01 \*\*\* | .28( .03), <.01 \*\*\* | ( .23, .33) | .28( .25, .31) | .10( .05), =.04 \* | .69( .50), =.17 | (-.30,1.68) | .70( .69, .72) | 2.00(1.03), =.05 . | .04( .02), =.05 . | (-.00, .07) | .04( .01, .07) |
| memory | hrs | pef | word\_im | 4612 | 18.90(1.80), <.01 \*\*\* | .31( .03), <.01 \*\*\* | ( .26, .37) | .31( .29, .34) | .04( .04), =.30 | .44( .55), =.43 | (-.65,1.53) | .44( .42, .47) | 1.71( .85), =.04 \* | .04( .02), =.04 \* | ( .00, .07) | .04( .01, .07) |
| mental status | hrs | pef | serial7 | 4608 | 9.13(1.94), <.01 \*\*\* | .13( .03), <.01 \*\*\* | ( .08, .19) | .13( .10, .16) | .16( .05), <.01 \*\* | .38( .13), <.01 \*\* | ( .12, .63) | .38( .35, .40) | -1.11( .92), =.22 | -.02( .02), =.22 | (-.06, .02) | -.02(-.05, .00) |
| memory | lasa | pef | word\_im | 782 | 37.66(13.01), <.01 \*\* | .16( .05), <.01 \*\* | ( .06, .27) | .16( .09, .23) | .01( .06), =.86 | .10( .57), =.86 | (-1.02,1.22) | .10( .03, .17) | 25.45(4.52), <.01 \*\*\* | .14( .02), <.01 \*\*\* | ( .09, .18) | .14( .07, .20) |
| perceptual speed | lasa | pef | letter | 782 | 74.21(15.62), <.01 \*\*\* | .22( .04), <.01 \*\*\* | ( .13, .31) | .22( .15, .29) | -.01( .06), =.91 | -.03( .30), =.92 | (-.63, .56) | -.03(-.10, .04) | 12.67(3.60), <.01 \*\*\* | .11( .03), <.01 \*\*\* | ( .05, .17) | .11( .04, .18) |
| visualization | lasa | pef | raven\_color\_ab | 782 | 43.20(8.05), <.01 \*\*\* | .29( .05), <.01 \*\*\* | ( .19, .39) | .29( .22, .35) | -.01( .04), =.76 | -.14( .45), =.75 | (-1.02, .73) | -.16(-.22,-.09) | .53(2.73), =.85 | .00( .03), =.85 | (-.05, .06) | .00(-.07, .08) |
| delayed/working memory | map | fev | bstory\_de | 935 | .01( .02), =.74 | .02( .06), =.74 | (-.09, .13) | .02(-.04, .08) | .00( .00), =.97 | -.02( .47), =.97 | (-.94, .90) | --- | -.01( .01), =.17 | -.04( .03), =.17 | (-.09, .02) | -.04(-.10, .03) |
| delayed/working memory | map | fev | digit\_b | 935 | .06( .02), =.01 \*\* | .12( .04), =.01 \*\* | ( .03, .21) | .12( .06, .18) | .00( .00), =.10 | .68( .53), =.20 | (-.36,1.73) | --- | -.01( .01), =.18 | -.04( .03), =.18 | (-.10, .02) | -.04(-.11, .02) |
| delayed/working memory | map | fev | digit\_o | 935 | .06( .02), <.01 \*\*\* | .18( .05), <.01 \*\*\* | ( .08, .27) | .18( .11, .24) | .00( .00), =.69 | -.20( .57), =.72 | (-1.33, .92) | --- | .00( .00), =.28 | .03( .03), =.28 | (-.02, .09) | .03(-.03, .09) |
| delayed/working memory | map | fev | logic\_de | 935 | .05( .05), =.31 | .05( .04), =.31 | (-.04, .13) | .05(-.02, .11) | -.00( .00), =.14 | -.60( .79), =.44 | (-2.15, .94) | --- | .00( .01), =.78 | .01( .03), =.78 | (-.05, .07) | .01(-.06, .07) |
| delayed/working memory | map | fev | word\_de | 935 | .02( .02), =.41 | .04( .05), =.41 | (-.05, .13) | .04(-.03, .10) | -.00( .00), =.29 | -.58( .84), =.49 | (-2.23,1.07) | --- | .00( .01), =.53 | .02( .03), =.53 | (-.04, .07) | .01(-.05, .08) |
| memory | map | fev | bstory\_im | 935 | .03( .02), =.12 | .09( .06), =.12 | (-.02, .20) | .09( .03, .15) | .00( .00), =.84 | .11( .60), =.85 | (-1.06,1.29) | --- | -.01( .01), =.22 | -.03( .03), =.22 | (-.09, .02) | -.03(-.10, .03) |
| memory | map | fev | digit\_f | 935 | .07( .02), <.01 \*\* | .13( .04), <.01 \*\* | ( .04, .22) | .13( .06, .19) | .00( .00), =.98 | .01( .60), =.98 | (-1.17,1.19) | --- | .00( .01), =.46 | .02( .03), =.46 | (-.04, .08) | .02(-.04, .08) |
| memory | map | fev | logic\_im | 935 | .05( .05), =.33 | .04( .05), =.33 | (-.05, .14) | .04(-.02, .11) | -.00( .00), =.80 | -.11( .47), =.81 | (-1.03, .81) | --- | .00( .01), =.91 | .00( .03), =.91 | (-.05, .06) | .00(-.06, .07) |
| memory | map | fev | word\_im | 935 | .11( .05), =.02 \* | .11( .04), =.02 \* | ( .02, .20) | .11( .04, .17) | -.01( .00), =.09 . | -.55( .43), =.19 | (-1.39, .28) | --- | .01( .01), =.34 | .03( .03), =.33 | (-.03, .09) | .03(-.03, .09) |
| memory | map | fev | word\_rec | 935 | .00( .01), =.68 | .02( .04), =.68 | (-.07, .10) | .02(-.05, .08) | .00( .00), =.95 | .08(1.14), =.95 | (-2.16,2.32) | --- | .00( .00), =.89 | .00( .03), =.89 | (-.05, .06) | .00(-.06, .06) |
| mental status | map | fev | ideas | 935 | .02( .01), <.01 \*\* | .19( .06), <.01 \*\*\* | ( .08, .30) | .19( .13, .25) | .00( .00), =.61 | -.24( .56), =.66 | (-1.35, .86) | --- | .00( .00), =.46 | .02( .03), =.46 | (-.04, .08) | .02(-.05, .08) |
| mental status | map | fev | mmse | 935 | .01( .02), =.71 | .02( .06), =.71 | (-.09, .14) | .02(-.04, .09) | -.00( .00), =.69 | -.20( .57), =.72 | (-1.31, .91) | --- | .01( .00), =.07 . | .05( .03), =.07 . | (-.00, .10) | .05(-.02, .11) |
| perceptual speed | map | fev | num\_comp | 934 | .32( .08), <.01 \*\*\* | .17( .04), <.01 \*\*\* | ( .09, .25) | .17( .11, .23) | -.00( .00), =.86 | -.10( .60), =.86 | (-1.28,1.07) | --- | -.01( .02), =.59 | -.01( .03), =.59 | (-.07, .04) | -.02(-.08, .05) |
| perceptual speed | map | fev | symbol | 934 | .49( .11), <.01 \*\*\* | .19( .04), <.01 \*\*\* | ( .11, .27) | .19( .12, .25) | .00( .01), =.77 | .12( .39), =.76 | (-.65, .88) | --- | .03( .02), =.12 | .05( .03), =.12 | (-.01, .10) | .05(-.02, .11) |
| verbal knowledge | map | fev | bnt | 934 | .03( .02), =.10 | .08( .05), =.10 | (-.02, .18) | .08( .02, .14) | .00( .00), =.92 | -.04( .43), =.92 | (-.88, .80) | --- | -.00( .00), =.35 | -.03( .03), =.35 | (-.09, .03) | -.03(-.09, .03) |
| verbal knowledge | map | fev | categories | 935 | .52( .10), <.01 \*\*\* | .23( .04), <.01 \*\*\* | ( .15, .31) | .23( .17, .29) | -.00( .00), =.37 | -.35( .44), =.42 | (-1.21, .50) | --- | -.03( .02), =.10 | -.04( .03), =.10 | (-.10, .01) | -.04(-.11, .02) |
| verbal knowledge | map | fev | nart | 932 | .09( .03), <.01 \*\*\* | .15( .04), <.01 \*\*\* | ( .07, .24) | .15( .09, .22) | .00( .00), =.56 | .32( .63), =.61 | (-.91,1.55) | --- | .00( .00), =.72 | .01( .03), =.72 | (-.05, .08) | .01(-.06, .07) |
| visualization | map | fev | line | 934 | .10( .03), <.01 \*\* | .14( .05), <.01 \*\* | ( .05, .24) | .14( .08, .20) | -.00( .00), =.70 | -.32( .87), =.72 | (-2.02,1.39) | --- | -.01( .01), =.10 | -.04( .03), =.11 | (-.09, .01) | -.04(-.11, .02) |
| visualization | map | fev | raven\_standard | 920 | .10( .03), <.01 \*\*\* | .18( .05), <.01 \*\*\* | ( .08, .27) | .18( .12, .24) | .00( .00), =.28 | .64( .82), =.44 | (-.97,2.24) | --- | -.01( .01), =.08 . | -.05( .03), =.08 . | (-.10, .01) | -.05(-.11, .02) |
| delayed/working memory | octo | pef | digit\_b | 276 | 8.67(5.94), =.14 | .18( .13), =.16 | (-.07, .44) | .19( .07, .30) | .04( .12), =.77 | .16( .50), =.76 | (-.82,1.14) | .14( .03, .26) | .81(2.51), =.74 | .02( .05), =.75 | (-.08, .11) | .02(-.10, .13) |
| memory | octo | pef | digit\_f | 276 | -.03(5.00), =.99 | -.00( .10), =.99 | (-.20, .20) | -.00(-.12, .12) | -.12( .11), =.28 | -.30( .25), =.24 | (-.79, .20) | -.29(-.39,-.18) | .46(1.85), =.80 | .01( .05), =.80 | (-.09, .11) | .01(-.11, .13) |
| memory | octo | pef | mir | 271 | 13.19(10.49), =.21 | .13( .10), =.20 | (-.07, .33) | .13( .01, .24) | .27( .42), =.53 | .18( .28), =.53 | (-.37, .72) | .18( .06, .29) | 3.53(3.78), =.35 | .06( .06), =.35 | (-.06, .17) | .06(-.06, .17) |
| memory | octo | pef | mir\_recog | 271 | 2.85(2.73), =.30 | .07( .07), =.30 | (-.06, .20) | .07(-.05, .19) | .26( .28), =.36 | .52( .32), =.10 | (-.11,1.15) | .54( .45, .62) | 3.84(1.89), =.04 \* | .15( .06), =.02 \* | ( .03, .27) | .15( .03, .26) |
| memory | octo | pef | prose\_im | 268 | 27.30(17.51), =.12 | .15( .09), =.11 | (-.04, .33) | .15( .03, .26) | -.09( .56), =.87 | -.06( .37), =.87 | (-.78, .66) | -.06(-.18, .06) | 7.16(5.99), =.23 | .07( .06), =.24 | (-.05, .20) | .07(-.05, .19) |
| mental status | octo | pef | clock | 275 | 21.65(11.29), =.06 . | .24( .11), =.03 \* | ( .03, .46) | .24( .13, .35) | .21( .59), =.72 | .11( .31), =.72 | (-.49, .71) | .11(-.01, .23) | 6.30(6.30), =.32 | .09( .09), =.30 | (-.08, .26) | .09(-.03, .21) |
| mental status | octo | pef | mmse | 276 | 9.72(12.23), =.43 | .10( .13), =.42 | (-.14, .35) | .10(-.02, .22) | .57( .87), =.51 | .20( .32), =.52 | (-.42, .82) | .20( .09, .31) | 19.74(7.54), =.01 \*\* | .20( .07), <.01 \*\* | ( .07, .34) | .20( .08, .31) |
| perceptual speed | octo | pef | psif | 254 | 23.19(20.50), =.26 | .13( .11), =.25 | (-.09, .35) | .13( .01, .25) | .10( .51), =.84 | .07( .35), =.84 | (-.62, .77) | .07(-.05, .19) | 3.54(9.89), =.72 | .03( .08), =.72 | (-.14, .20) | .03(-.09, .15) |
| perceptual speed | octo | pef | symbol | 264 | 202.50(47.95), <.01 \*\*\* | .38( .08), <.01 \*\*\* | ( .22, .53) | .38( .27, .48) | 2.24(1.02), =.03 \* | .66( .17), <.01 \*\*\* | ( .32,1.00) | .66( .58, .72) | 8.33(13.91), =.55 | .03( .06), =.55 | (-.08, .15) | .03(-.09, .15) |
| verbal knowledge | octo | pef | information | 275 | 61.57(51.70), =.23 | .11( .09), =.23 | (-.07, .28) | .11(-.01, .22) | .56( .85), =.51 | .20( .30), =.51 | (-.39, .78) | .19( .08, .31) | 10.61(10.96), =.33 | .06( .06), =.33 | (-.06, .17) | .06(-.06, .17) |
| verbal knowledge | octo | pef | synonyms | 265 | 44.38(26.85), =.10 . | .16( .10), =.09 . | (-.03, .36) | .16( .04, .28) | .62( .67), =.36 | .27( .32), =.40 | (-.37, .91) | .27( .15, .38) | -7.00(6.72), =.30 | -.06( .06), =.30 | (-.17, .05) | -.06(-.18, .06) |
| visualization | octo | pef | block | 272 | 86.13(33.62), =.01 \*\* | .24( .09), =.01 \*\* | ( .07, .41) | .24( .13, .35) | .05( .63), =.94 | .02( .32), =.94 | (-.60, .64) | .02(-.10, .14) | 22.80(9.33), =.01 \* | .15( .06), =.01 \* | ( .03, .26) | .15( .03, .26) |
| visualization | octo | pef | fig\_logic | 268 | 36.04(22.44), =.11 | .20( .12), =.10 . | (-.04, .45) | .20( .09, .32) | .29( .69), =.68 | .18( .43), =.67 | (-.66,1.03) | .18( .07, .30) | 1.95(7.96), =.81 | .01( .06), =.81 | (-.11, .14) | .02(-.10, .13) |
| delayed/working memory | satsa | fev | digit\_b | 409 | .08( .03), <.01 \*\*\* | .31( .10), <.01 \*\*\* | ( .12, .50) | .31( .22, .39) | .00( .00), =.17 | .34( .24), =.17 | (-.14, .82) | --- | -.01( .01), =.51 | -.03( .05), =.51 | (-.13, .07) | -.04(-.13, .06) |
| memory | satsa | fev | digit\_f | 409 | .02( .02), =.37 | .09( .10), =.37 | (-.10, .27) | .09(-.01, .18) | .00( .00), =.92 | .06( .61), =.92 | (-1.14,1.26) | --- | .02( .01), =.01 \*\* | .11( .04), =.01 \*\* | ( .03, .19) | .11( .01, .21) |
| memory | satsa | fev | fig\_mem | 409 | .10( .08), =.25 | .10( .08), =.25 | (-.07, .26) | .10( .00, .19) | .00( .00), =.29 | .25( .24), =.29 | (-.21, .71) | --- | .03( .03), =.21 | .06( .04), =.21 | (-.03, .14) | .05(-.04, .15) |
| mental status | satsa | fev | mmse | 411 | -.02( .05), =.72 | -.07( .18), =.72 | (-.42, .29) | -.07(-.16, .03) | .00( .00), =.10 . | .36( .20), =.07 . | (-.03, .76) | --- | .06( .02), <.01 \*\* | .14( .05), <.01 \*\* | ( .05, .23) | .14( .05, .24) |
| perceptual speed | satsa | fev | symbol | 408 | .25( .20), =.22 | .10( .08), =.22 | (-.06, .26) | .10( .00, .20) | -.00( .00), =.39 | -.16( .20), =.42 | (-.54, .23) | --- | .05( .06), =.38 | .04( .05), =.38 | (-.05, .13) | .04(-.05, .14) |
| verbal knowledge | satsa | fev | analogies | 407 | .20( .07), =.01 \*\* | .27( .10), <.01 \*\* | ( .08, .45) | .27( .17, .35) | .00( .00), =.36 | .17( .19), =.37 | (-.20, .55) | --- | .01( .02), =.65 | .02( .04), =.65 | (-.06, .10) | .02(-.08, .12) |
| verbal knowledge | satsa | fev | information | 410 | .06( .15), =.66 | .03( .07), =.66 | (-.11, .18) | .03(-.07, .13) | .00( .00), =.05 . | .31( .16), =.06 . | (-.01, .62) | --- | .09( .03), =.01 \*\* | .11( .04), =.01 \*\* | ( .03, .18) | .11( .01, .20) |
| verbal knowledge | satsa | fev | synonyms | 409 | .23( .10), =.01 \* | .18( .07), =.01 \* | ( .04, .33) | .18( .09, .27) | .00( .00), =.21 | .33( .25), =.18 | (-.16, .81) | --- | .04( .02), =.09 . | .08( .04), =.08 . | (-.01, .17) | .08(-.02, .18) |
| visualization | satsa | fev | block | 408 | .41( .15), =.01 \*\* | .24( .09), <.01 \*\* | ( .07, .41) | .24( .15, .33) | .00( .00), =.44 | .19( .24), =.43 | (-.27, .65) | --- | .06( .03), =.09 . | .07( .04), =.09 . | (-.01, .16) | .07(-.03, .17) |
| visualization | satsa | fev | rotate | 407 | 1.13( .35), <.01 \*\*\* | .29( .08), <.01 \*\*\* | ( .12, .45) | .29( .19, .37) | .00( .00), =.99 | .03(1.72), =.99 | (-3.35,3.40) | --- | .02( .10), =.81 | .01( .04), =.81 | (-.07, .08) | .01(-.09, .11) |

# 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 2017-02-15, 13:08 -0500

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] knitr\_1.15.1 forestplot\_1.7 checkmate\_1.8.2 ggplot2\_2.2.1 magrittr\_1.5   
  
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] plotrix\_3.6-4 DBI\_0.5-1 htmltools\_0.3.5 yaml\_2.1.14 lazyeval\_0.2.0 assertthat\_0.1   
[19] rprojroot\_1.2 digest\_0.6.12 tibble\_1.2 readr\_1.0.0 tidyr\_0.6.1 htmlwidgets\_0.8   
[25] evaluate\_0.10 rmarkdown\_1.3 stringi\_1.1.2 scales\_0.4.1 backports\_1.0.5 jsonlite\_1.2