Correlation Report #2

Date: 2016-10-31

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

Correlation report for the pulmonary track

# Dynamic Table

# Static Tables

The 'aehplus' model (with covariates *a*ge, *e*ducation, *h*ealth, and others) is shown for each combination of

* study,
* process, and
* gender.

## male

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| domain | study | phys | cog |  | tau\_levels | tau\_slopes | tau\_resid | er\_levels | er\_slopes | er\_resid | cr\_levels | cr\_slopes | cr\_resid |
| gait | eas | grip | gait | 72 | 23.89(37.41), =.52 | .18(2.28), =.94 | 7.76(10.60), =.46 | .32( .45), =.48 | .24(2.86), =.93 | .21( .25), =.39 | .32( .09, .51) | .24( .01, .45) | .21(-.02, .43) |
| gait | eas | pef | gait | 72 | -64.30(734.65), =.93 | -7.98(29.04), =.78 | 101.38(125.95), =.42 | -.04( .44), =.93 | -.45(1.86), =.81 | .18( .21), =.40 | -.04(-.27, .19) | -.45(-.62,-.24) | .18(-.05, .40) |
| gait | elsa | fev | gait | 3091 | .03( .01), <.01 | .00( .00), =.21 | .00( .00), =.59 | .24( .05), <.01 | .34( .31), =.26 | .01( .02), =.59 | .24( .21, .28) | --- | .01(-.02, .05) |
| gait | elsa | grip | gait | 3091 | .34( .07), <.01 | .00( .00), =.15 | .01( .02), =.43 | .28( .05), <.01 | .55( .40), =.18 | .02( .03), =.43 | .28( .24, .31) | --- | .02(-.01, .06) |
| gait | hrs | grip | gait | 236 | .12( .09), =.18 | .00( .00), =.89 | .04( .04), =.39 | .15( .11), =.17 | .10( .76), =.89 | .06( .07), =.38 | .15( .03, .28) | .00(-.13, .13) | .06(-.07, .18) |
| gait | hrs | pef | gait | 236 | 3.90(1.37), <.01 | .13( .06), =.05 | .45( .67), =.50 | .30( .10), <.01 | .84( .48), =.08 | .05( .08), =.50 | .30( .18, .41) | .70( .63, .76) | .05(-.08, .18) |
| gait | lasa | grip | gait | 800 | -5.54(2.73), =.04 | -.10( .18), =.59 | -.49( .59), =.41 | -.35( .21), =.10 | -.76( .49), =.12 | -.04( .04), =.42 | -.35(-.41,-.29) | -.76(-.78,-.72) | -.03(-.10, .03) |
| gait | lasa | pef | gait | 800 | -40.60(5.66), <.01 | -.78( .33), =.02 | -4.31(4.73), =.36 | -.36( .06), <.01 | -.40( .09), <.01 | -.03( .03), =.37 | -.36(-.42,-.29) | -.40(-.46,-.34) | -.03(-.10, .04) |
| gait | map | fev | gait | 309 | .02( .01), =.01 | .00( .00), =.39 | .00( .00), =.90 | .25( .08), <.01 | -.46( .62), =.45 | -.01( .05), =.90 | .24( .13, .34) | --- | .00(-.11, .11) |
| gait | nuage | grip | gait | 847 | -1.87( .73), =.01 | -.07( .04), =.11 | -.23( .10), =.02 | -.20( .06), <.01 | -.24( .28), =.39 | -.05( .02), =.04 | -.20(-.26,-.13) | -.25(-.31,-.18) | -.05(-.12, .01) |
| gait | octo | grip | gait | 138 | -1.57( .68), =.02 | -.04( .05), =.33 | -.39( .27), =.16 | -.35( .14), =.01 | -.70( .51), =.17 | -.13( .09), =.14 | -.35(-.49,-.19) | -.70(-.78,-.60) | -.13(-.29, .04) |
| gait | octo | pef | gait | 132 | -70.87(34.39), =.04 | -1.34( .94), =.15 | -6.48(11.36), =.57 | -.38( .15), =.01 | -.79( .17), <.01 | -.05( .08), =.56 | -.38(-.51,-.22) | -.79(-.85,-.72) | -.05(-.21, .13) |
| gait | ilse | grip | tug | 252 | 2.92(3.48), =.40 | .07( .08), =.33 | -4.96(1.95), =.01 | .29( .43), =.51 | .84(1.24), =.50 | -.28( .10), =.01 | .29( .17, .40) | .86( .82, .89) | -.28(-.39,-.16) |
| gait | nuage | grip | tug | 847 | -5.71(1.35), <.01 | -.20( .10), =.05 | -.36( .20), =.07 | -.25( .05), <.01 | -.24( .12), =.05 | -.04( .02), =.05 | -.25(-.31,-.19) | -.24(-.30,-.17) | -.04(-.11, .03) |
| grip | map | fev | grip | 309 | 1.79( .50), <.01 | -.00( .03), =.91 | -.02( .06), =.78 | .25( .06), <.01 | -.04( .40), =.91 | -.01( .05), =.78 | .25( .14, .35) | -.05(-.16, .06) | -.01(-.13, .10) |
| grip | map | gait | grip | 309 | .60( .17), <.01 | .01( .01), =.25 | .00( .05), =.92 | .30( .08), <.01 | .40( .34), =.24 | .01( .06), =.92 | .30( .20, .40) | --- | .01(-.11, .12) |
| grip | satsa | gait | grip | 265 | -2.81(2.50), =.26 | -.02( .02), =.39 | -.32( .97), =.74 | -.51( .49), =.30 | -.42( .46), =.37 | -.02( .07), =.74 | -.51(-.59,-.41) | -.41(-.51,-.31) | -.02(-.14, .10) |
| pulmonary | elsa | grip | fev | 3091 | .71( .16), <.01 | .00( .00), =.14 | .02( .05), =.61 | .19( .04), <.01 | .42( .34), =.22 | .01( .03), =.61 | .19( .15, .22) | .41( .38, .44) | .01(-.02, .05) |
| pulmonary | satsa | gait | fev | 265 | -.06( .20), =.76 | -.00( .00), =.40 | .04( .05), =.48 | -.10( .34), =.76 | -.55( .62), =.38 | .05( .07), =.48 | -.10(-.22, .02) | --- | .05(-.07, .17) |
| pulmonary | satsa | grip | fev | 299 | .64( .33), =.05 | .00( .00), =.14 | .28( .08), <.01 | .21( .10), =.04 | .74( .45), =.10 | .15( .04), <.01 | .21( .10, .31) | --- | .16( .04, .26) |
| pulmonary | eas | grip | pef | 72 | 24.83(258.35), =.92 | 1.16(32.16), =.97 | 65.69(48.29), =.17 | .04( .45), =.92 | .08(2.22), =.97 | .24( .17), =.15 | .04(-.19, .27) | .08(-.15, .31) | .24( .01, .45) |
| pulmonary | hrs | grip | pef | 236 | 50.22(36.70), =.17 | -.18(1.15), =.87 | 25.03(15.29), =.10 | .11( .08), =.16 | -.16(1.17), =.89 | .12( .07), =.09 | .11(-.02, .23) | -.16(-.28,-.03) | .12(-.01, .24) |
| pulmonary | lasa | grip | pef | 800 | 153.76(29.38), <.01 | .29( .10), <.01 | -12.42(7.99), =.12 | .24( .04), <.01 | .57( .10), <.01 | -.05( .03), =.11 | .24( .17, .30) | .58( .53, .62) | -.05(-.12, .02) |
| pulmonary | octo | grip | pef | 138 | 28.29(27.56), =.30 | .10( .58), =.87 | 10.21(6.67), =.13 | .15( .14), =.29 | .10( .60), =.87 | .14( .09), =.11 | .15(-.02, .31) | .10(-.07, .26) | .14(-.03, .30) |

## female

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| domain | study | phys | cog |  | tau\_levels | tau\_slopes | tau\_resid | er\_levels | er\_slopes | er\_resid | cr\_levels | cr\_slopes | cr\_resid |
| gait | eas | grip | gait | 147 | 16.31(16.92), =.34 | .46( .74), =.53 | .51(1.84), =.78 | .17( .17), =.31 | .38( .50), =.44 | .03( .10), =.78 | .18( .01, .33) | .38( .23, .51) | .03(-.14, .19) |
| gait | eas | pef | gait | 150 | 67.25(237.19), =.78 | -10.98(12.32), =.37 | 29.78(37.80), =.43 | .05( .19), =.78 | -.55( .52), =.28 | .10( .12), =.44 | .05(-.11, .21) | -.55(-.66,-.43) | .09(-.07, .25) |
| gait | elsa | fev | gait | 3511 | .02( .00), <.01 | .00( .00), =.46 | .00( .00), =.45 | .22( .04), <.01 | .40( .25), =.11 | .02( .03), =.44 | .22( .19, .25) | --- | .02(-.01, .05) |
| gait | elsa | grip | gait | 3511 | .30( .03), <.01 | .00( .00), =.04 | .03( .01), =.01 | .36( .03), <.01 | .50( .10), <.01 | .06( .02), <.01 | .36( .34, .39) | --- | .06( .03, .09) |
| gait | hrs | grip | gait | 285 | .09( .06), =.12 | .00( .00), =.90 | .01( .02), =.72 | .21( .13), =.12 | .13(1.00), =.90 | .02( .05), =.72 | .21( .09, .32) | --- | .02(-.10, .13) |
| gait | hrs | pef | gait | 285 | 2.10( .88), =.02 | .02( .04), =.63 | .96( .42), =.02 | .29( .11), =.01 | .58(1.21), =.63 | .14( .06), =.02 | .29( .18, .39) | --- | .14( .02, .25) |
| gait | lasa | grip | gait | 782 | -3.91(1.27), <.01 | -.02( .02), =.31 | .09( .40), =.82 | -.34( .07), <.01 | -.68(1.60), =.67 | .01( .03), =.82 | -.34(-.40,-.27) | -.67(-.70,-.63) | .01(-.06, .08) |
| gait | lasa | pef | gait | 782 | -19.83(9.76), =.04 | -.16( .13), =.24 | -3.88(4.68), =.41 | -.23( .13), =.09 | -.25( .20), =.21 | -.02( .03), =.40 | -.23(-.29,-.16) | -.25(-.31,-.18) | -.02(-.09, .05) |
| gait | map | fev | gait | 931 | .01( .00), <.01 | .00( .00), =.94 | .00( .00), =.58 | .24( .05), <.01 | -.03( .39), =.94 | .02( .03), =.57 | .24( .18, .30) | --- | .00(-.06, .06) |
| gait | nuage | grip | gait | 934 | -1.75( .40), <.01 | -.04( .04), =.37 | -.13( .09), =.15 | -.18( .04), <.01 | -.10( .12), =.37 | -.04( .03), =.15 | -.18(-.25,-.12) | -.10(-.17,-.04) | -.04(-.11, .02) |
| gait | octo | grip | gait | 270 | -2.08( .55), <.01 | -.01( .03), =.84 | -.17( .18), =.35 | -.33( .07), <.01 | -.04( .24), =.86 | -.04( .05), =.33 | -.33(-.43,-.22) | -.05(-.16, .07) | -.05(-.16, .07) |
| gait | octo | pef | gait | 263 | -79.93(19.18), <.01 | -3.79(12.86), =.77 | -3.43(10.65), =.75 | -.35( .08), <.01 | -.58( .91), =.52 | -.02( .07), =.75 | -.35(-.46,-.24) | -.58(-.66,-.50) | -.02(-.14, .10) |
| gait | ilse | grip | tug | 224 | -1.39(5.52), =.80 | .04( .14), =.80 | 1.68(2.37), =.48 | -.06( .23), =.80 | .40(1.63), =.80 | .10( .14), =.47 | -.06(-.19, .07) | .35( .23, .46) | .10(-.03, .23) |
| gait | nuage | grip | tug | 934 | -7.37(1.16), <.01 | -.17( .12), =.14 | -.10( .24), =.67 | -.27( .04), <.01 | -.26( .17), =.13 | -.01( .03), =.67 | -.27(-.33,-.21) | -.26(-.32,-.20) | -.01(-.08, .05) |
| grip | map | fev | grip | 931 | .41( .13), <.01 | .00( .01), =.66 | .01( .02), =.53 | .13( .04), <.01 | .16( .37), =.66 | .02( .03), =.53 | .13( .06, .19) | --- | .02(-.04, .08) |
| grip | map | gait | grip | 931 | .41( .07), <.01 | -.01( .01), =.17 | -.00( .02), =.81 | .30( .05), <.01 | -.46( .31), =.15 | -.01( .03), =.81 | .30( .24, .36) | -.37(-.42,-.31) | -.01(-.07, .06) |
| grip | satsa | gait | grip | 366 | -1.06(2.67), =.69 | -.00( .02), =.96 | -.08( .71), =.91 | -.16( .42), =.69 | -.03( .59), =.96 | -.01( .05), =.91 | -.16(-.26,-.06) | -.03(-.13, .08) | -.01(-.11, .10) |
| pulmonary | elsa | grip | fev | 3511 | .40( .07), <.01 | .00( .00), =.22 | .01( .02), =.57 | .25( .04), <.01 | .63( .95), =.50 | .01( .02), =.57 | .25( .21, .28) | --- | .01(-.02, .05) |
| pulmonary | satsa | gait | fev | 366 | -.24( .16), =.12 | -.00( .00), =.34 | -.03( .04), =.46 | -.38( .23), =.10 | -.38( .36), =.30 | -.04( .06), =.46 | -.38(-.46,-.28) | --- | -.04(-.14, .06) |
| pulmonary | satsa | grip | fev | 408 | .06( .12), =.59 | .00( .00), =.94 | .17( .04), <.01 | .06( .11), =.58 | .03( .35), =.94 | .15( .04), <.01 | .06(-.04, .15) | --- | .15( .06, .25) |
| pulmonary | eas | grip | pef | 150 | 98.73(59.72), =.10 | .12(2.96), =.97 | 11.15(9.83), =.26 | .29( .15), =.05 | .03( .80), =.97 | .11( .10), =.26 | .29( .13, .43) | .03(-.13, .19) | .11(-.05, .27) |
| pulmonary | hrs | grip | pef | 285 | 53.68(17.29), <.01 | -.38( .73), =.60 | 9.96(8.03), =.21 | .29( .09), <.01 | -.52(1.12), =.64 | .08( .07), =.22 | .29( .18, .39) | -.53(-.60,-.44) | .08(-.03, .20) |
| pulmonary | lasa | grip | pef | 782 | 76.86(19.88), <.01 | .00( .22), =.99 | 5.73(7.32), =.43 | .30( .07), <.01 | .03(1.49), =.98 | .03( .04), =.43 | .30( .23, .36) | .03(-.04, .10) | .03(-.04, .10) |
| pulmonary | octo | grip | pef | 270 | 44.94(10.25), <.01 | .23( .25), =.36 | 1.29(3.23), =.69 | .39( .07), <.01 | .34( .37), =.36 | .02( .06), =.69 | .39( .28, .48) | .34( .23, .44) | .02(-.09, .14) |

# 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 2016-10-31, 14:01 -0400

R version 3.3.1 (2016-06-21)  
Platform: x86\_64-w64-mingw32/x64 (64-bit)  
Running under: Windows 10 x64 (build 14393)  
  
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] ggplot2\_2.1.0 magrittr\_1.5 knitr\_1.14   
  
loaded via a namespace (and not attached):  
 [1] Rcpp\_0.12.7 munsell\_0.4.3 colorspace\_1.2-7 R6\_2.2.0 highr\_0.6 stringr\_1.1.0   
 [7] plyr\_1.8.4 dplyr\_0.5.0 tools\_3.3.1 DT\_0.2 grid\_3.3.1 gtable\_0.2.0   
[13] DBI\_0.5-1 htmltools\_0.3.5 yaml\_2.1.13 lazyeval\_0.2.0 assertthat\_0.1 digest\_0.6.10   
[19] tibble\_1.2 readr\_1.0.0 formatR\_1.4 tidyr\_0.6.0 htmlwidgets\_0.7 evaluate\_0.10   
[25] rmarkdown\_1.1 stringi\_1.1.2 scales\_0.4.0