Seed report for Meta-Analysis #1

Date: 2016-07-07

Table of Contents

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

# Summary

### Notes

1. All available models are contained in the dynamic table, while only the 'aehplus' models are shown in the static tables.

### Unanswered Questions

1. How should we handle entries that are entirely missing?
2. How should we handle entries containing null/NA results?

### Answered Questions

# Dynamic Tables

## Correlations

## Growth Curves

# 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.

## Correlations

## elsa

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Processes | Gender |  |  |  |  |
| fev vs word\_de | female | 3511 | 0.05(0.04),*p*=.25 | -0.43(1.05),*p*=.68 | 0.01(0.03),*p*=.56 |
| fev vs word\_de | male | 3091 | 0.06(0.04),*p*=.16 | -0.22(0.39),*p*=.58 | 0.03(0.03),*p*=.27 |
| fev vs word\_im | female | 3511 | 0.07(0.04),*p*=.09 | -0.16(0.43),*p*=.71 | 0.02(0.02),*p*=.28 |
| fev vs word\_im | male | 3091 | 0.06(0.04),*p*=.15 | -0.11(0.18),*p*=.53 | 0.05(0.02),*p*=.06 |
| fev100 vs word\_de | female | 3511 | 0.05(0.04),*p*=.24 | -0.43(0.41),*p*=.29 | 0.01(0.02),*p*=.54 |
| fev100 vs word\_de | male | 3091 | 0.06(0.04),*p*=.15 | -0.22(0.33),*p*=.51 | 0.03(0.02),*p*=.25 |
| fev100 vs word\_im | female | 3511 | 0.07(0.04),*p*=.08 | -0.16(0.33),*p*=.63 | 0.02(0.02),*p*=.24 |
| fev100 vs word\_im | male | 3091 | 0.06(0.04),*p*=.15 | -0.11(0.17),*p*=.52 | 0.05(0.02),*p*=.06 |
| gait vs fluency | female | 3510 | 0.19(0.03),*p*<.01 | 0.22(0.16),*p*=.18 | 0.04(0.02),*p*=.04 |
| gait vs fluency | male | 3090 | 0.22(0.04),*p*<.01 | 0.12(0.25),*p*=.63 | 0.00(0.02),*p*=.89 |
| gait vs word\_de | female | 3510 | 0.21(0.04),*p*<.01 | 0.24(0.22),*p*=.27 | -0.02(0.02),*p*=.35 |
| gait vs word\_de | male | 3090 | 0.23(0.04),*p*<.01 | -0.07(0.21),*p*=.74 | 0.03(0.02),*p*=.16 |
| gait vs word\_im | female | 3510 | 0.22(0.04),*p*<.01 | 0.30(0.19),*p*=.11 | 0.02(0.02),*p*=.18 |
| gait vs word\_im | male | 3088 | 0.21(0.04),*p*<.01 | -0.11(0.14),*p*=.44 | -0.00(0.02),*p*=.94 |
| grip vs word\_de | female | 3511 | 0.13(0.03),*p*<.01 | -0.02(0.57),*p*=.97 | 0.02(0.02),*p*=.30 |
| grip vs word\_de | male | 3091 | 0.05(0.04),*p*=.20 | -0.48(0.42),*p*=.26 | 0.02(0.02),*p*=.33 |
| grip vs word\_im | female | 3511 | 0.12(0.04),*p*<.01 | -0.03(0.28),*p*=.91 | 0.02(0.02),*p*=.49 |
| grip vs word\_im | male | 3091 | 0.02(0.04),*p*=.57 | -0.42(0.34),*p*=.22 | 0.06(0.02),*p*=.02 |

## Growth Curves

## elsa

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Process | Gender |  | species | intercept | slope |
| fev | female | 3511 | intercept | 1.88(0.02),*p*<.01 | -0.02(0.00),*p*<.01 |
|  |  |  | age | --,*p*= ---- | --,*p*= ---- |
|  |  |  | education | 0.10(0.02),*p*<.01 | 0.00(0.00),*p*=.65 |
|  |  |  | height | 0.03(0.00),*p*<.01 | 0.00(0.00),*p*=.03 |
|  |  |  | smoking | -0.11(0.02),*p*<.01 | -0.00(0.00),*p*=.46 |
|  |  |  | cardio | -0.11(0.03),*p*<.01 | 0.00(0.00),*p*=.50 |
|  |  |  | diabetes | -0.05(0.04),*p*=.18 | -0.00(0.01),*p*=.53 |
| fev | male | 3091 | intercept | 2.63(0.03),*p*<.01 | -0.02(0.00),*p*<.01 |
|  |  |  | age | --,*p*= ---- | --,*p*= ---- |
|  |  |  | education | 0.20(0.03),*p*<.01 | -0.01(0.00),*p*=.08 |
|  |  |  | height | 0.03(0.00),*p*<.01 | 0.00(0.00),*p*=.93 |
|  |  |  | smoking | -0.21(0.03),*p*<.01 | 0.00(0.00),*p*=.35 |
|  |  |  | cardio | -0.20(0.04),*p*<.01 | 0.00(0.00),*p*=.57 |
|  |  |  | diabetes | -0.06(0.05),*p*=.18 | -0.02(0.01),*p*=.01 |
| fev100 | female | 3511 | intercept | 188.50(1.68),*p*<.01 | -2.13(0.19),*p*<.01 |
|  |  |  | age | --,*p*= ---- | --,*p*= ---- |
|  |  |  | education | 10.17(1.79),*p*<.01 | 0.09(0.21),*p*=.65 |
|  |  |  | height | 2.76(0.15),*p*<.01 | -0.04(0.02),*p*=.03 |
|  |  |  | smoking | -10.89(1.70),*p*<.01 | -0.15(0.20),*p*=.46 |
|  |  |  | cardio | -11.18(3.09),*p*<.01 | 0.31(0.46),*p*=.50 |
|  |  |  | diabetes | -5.14(3.83),*p*=.18 | -0.35(0.56),*p*=.53 |
| fev100 | male | 3091 | intercept | 262.62(3.21),*p*<.01 | -2.21(0.44),*p*<.01 |
|  |  |  | age | --,*p*= ---- | --,*p*= ---- |
|  |  |  | education | 20.33(2.89),*p*<.01 | -0.64(0.36),*p*=.08 |
|  |  |  | height | 3.34(0.21),*p*<.01 | -0.00(0.02),*p*=.93 |
|  |  |  | smoking | -21.05(2.83),*p*<.01 | 0.32(0.34),*p*=.35 |
|  |  |  | cardio | -19.51(3.86),*p*<.01 | 0.28(0.49),*p*=.57 |
|  |  |  | diabetes | -6.20(4.67),*p*=.18 | -1.60(0.63),*p*=.01 |
| fluency | female | 3510 | intercept | 17.64(0.18),*p*<.01 | -0.08(0.03),*p*<.01 |
|  |  |  | age | --,*p*= ---- | --,*p*= ---- |
|  |  |  | education | 3.34(0.20),*p*<.01 | 0.03(0.03),*p*=.35 |
|  |  |  | height | 0.10(0.02),*p*<.01 | -0.00(0.00),*p*=.09 |
|  |  |  | smoking | -0.06(0.19),*p*=.74 | -0.04(0.03),*p*=.13 |
|  |  |  | cardio | -0.23(0.35),*p*=.52 | -0.04(0.05),*p*=.35 |
|  |  |  | diabetes | -0.62(0.50),*p*=.22 | -0.14(0.07),*p*=.05 |
| fluency | male | 3090 | intercept | 18.25(0.26),*p*<.01 | -0.07(0.04),*p*=.06 |
|  |  |  | age | --,*p*= ---- | --,*p*= ---- |
|  |  |  | education | 2.76(0.22),*p*<.01 | -0.04(0.03),*p*=.23 |
|  |  |  | height | 0.08(0.02),*p*<.01 | 0.00(0.00),*p*=.06 |
|  |  |  | smoking | -0.18(0.23),*p*=.45 | -0.04(0.03),*p*=.23 |
|  |  |  | cardio | -0.58(0.30),*p*=.06 | 0.04(0.04),*p*=.35 |
|  |  |  | diabetes | -0.12(0.40),*p*=.77 | -0.06(0.06),*p*=.28 |
| gait | female | 3510 | intercept | 0.83(0.01),*p*<.01 | -0.01(0.00),*p*<.01 |
|  |  |  | age | --,*p*= ---- | --,*p*= ---- |
|  |  |  | education | 0.09(0.01),*p*<.01 | 0.00(0.00),*p*=.96 |
|  |  |  | height | 0.01(0.00),*p*<.01 | 0.00(0.00),*p*=.13 |
|  |  |  | smoking | -0.03(0.01),*p*<.01 | 0.00(0.00),*p*=.92 |
|  |  |  | cardio | -0.08(0.02),*p*<.01 | -0.00(0.00),*p*=.32 |
|  |  |  | diabetes | -0.13(0.02),*p*<.01 | 0.00(0.00),*p*=.64 |
| gait | male | 3090 | intercept | 0.86(0.01),*p*<.01 | -0.01(0.00),*p*<.01 |
|  |  |  | age | --,*p*= ---- | --,*p*= ---- |
|  |  |  | education | 0.11(0.01),*p*<.01 | 0.00(0.00),*p*=.25 |
|  |  |  | height | 0.00(0.00),*p*<.01 | 0.00(0.00),*p*=.66 |
|  |  |  | smoking | -0.04(0.01),*p*<.01 | 0.00(0.00),*p*=.83 |
|  |  |  | cardio | -0.06(0.01),*p*<.01 | -0.00(0.00),*p*=.71 |
|  |  |  | diabetes | -0.06(0.02),*p*<.01 | -0.00(0.00),*p*=.78 |
| grip | female | 3511 | intercept | 20.25(0.18),*p*<.01 | -0.29(0.02),*p*<.01 |
|  |  |  | age | --,*p*= ---- | --,*p*= ---- |
|  |  |  | education | 0.99(0.19),*p*<.01 | -0.01(0.02),*p*=.46 |
|  |  |  | height | 0.21(0.01),*p*<.01 | -0.00(0.00),*p*=.05 |
|  |  |  | smoking | -0.17(0.17),*p*=.32 | 0.00(0.02),*p*=.95 |
|  |  |  | cardio | -1.54(0.34),*p*<.01 | 0.06(0.04),*p*=.13 |
|  |  |  | diabetes | -1.42(0.40),*p*<.01 | 0.00(0.04),*p*=.91 |
| grip | male | 3091 | intercept | 34.27(0.33),*p*<.01 | -0.45(0.04),*p*<.01 |
|  |  |  | age | --,*p*= ---- | --,*p*= ---- |
|  |  |  | education | 1.26(0.30),*p*<.01 | -0.03(0.03),*p*=.36 |
|  |  |  | height | 0.29(0.02),*p*<.01 | 0.00(0.00),*p*=.55 |
|  |  |  | smoking | -0.38(0.29),*p*=.20 | -0.01(0.03),*p*=.75 |
|  |  |  | cardio | -0.33(0.39),*p*=.39 | -0.13(0.04),*p*<.01 |
|  |  |  | diabetes | -2.04(0.50),*p*<.01 | -0.16(0.05),*p*<.01 |
| word\_de | female | 3511 | intercept | 3.89(0.06),*p*<.01 | -0.04(0.01),*p*<.01 |
|  |  |  | age | --,*p*= ---- | --,*p*= ---- |
|  |  |  | education | 1.00(0.07),*p*<.01 | -0.00(0.01),*p*=.56 |
|  |  |  | height | 0.02(0.00),*p*<.01 | 0.00(0.00),*p*=.71 |
|  |  |  | smoking | -0.21(0.06),*p*<.01 | 0.01(0.01),*p*=.05 |
|  |  |  | cardio | -0.12(0.12),*p*=.32 | -0.01(0.01),*p*=.55 |
|  |  |  | diabetes | -0.38(0.16),*p*=.02 | 0.01(0.02),*p*=.63 |
| word\_de | male | 3091 | intercept | 3.27(0.08),*p*<.01 | 0.00(0.01),*p*=.61 |
|  |  |  | age | --,*p*= ---- | --,*p*= ---- |
|  |  |  | education | 0.92(0.07),*p*<.01 | -0.01(0.01),*p*=.18 |
|  |  |  | height | 0.02(0.00),*p*<.01 | 0.00(0.00),*p*=.96 |
|  |  |  | smoking | 0.02(0.07),*p*=.71 | -0.02(0.01),*p*=.02 |
|  |  |  | cardio | -0.06(0.10),*p*=.52 | -0.03(0.01),*p*=.03 |
|  |  |  | diabetes | -0.28(0.11),*p*=.01 | -0.01(0.02),*p*=.40 |
| word\_im | female | 3511 | intercept | 5.29(0.05),*p*<.01 | -0.04(0.01),*p*<.01 |
|  |  |  | age | --,*p*= ---- | --,*p*= ---- |
|  |  |  | education | 0.73(0.06),*p*<.01 | 0.01(0.01),*p*=.08 |
|  |  |  | height | 0.01(0.00),*p*=.05 | 0.00(0.00),*p*=.26 |
|  |  |  | smoking | -0.04(0.05),*p*=.49 | -0.00(0.01),*p*=.58 |
|  |  |  | cardio | -0.20(0.10),*p*=.05 | 0.00(0.01),*p*=.78 |
|  |  |  | diabetes | -0.33(0.14),*p*=.02 | 0.01(0.02),*p*=.57 |
| word\_im | male | 3091 | intercept | 4.87(0.07),*p*<.01 | -0.03(0.01),*p*<.01 |
|  |  |  | age | --,*p*= ---- | --,*p*= ---- |
|  |  |  | education | 0.76(0.06),*p*<.01 | -0.00(0.01),*p*=.95 |
|  |  |  | height | 0.01(0.00),*p*<.01 | 0.00(0.00),*p*=.10 |
|  |  |  | smoking | -0.00(0.06),*p*=.95 | -0.02(0.01),*p*=.04 |
|  |  |  | cardio | -0.16(0.09),*p*=.07 | -0.01(0.01),*p*=.66 |
|  |  |  | diabetes | -0.10(0.10),*p*=.32 | -0.01(0.02),*p*=.51 |