

# Disintegration+and+Eysenck+Personality+Dimensions.r

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*Fri Jan 25 17:12:47 2019*

```
# Install and load metafor
install.packages("metafor")

## Installing package into '/home/rstudio-user/R/x86_64-pc-linux-gnu-library/3.5'
## (as 'lib' is unspecified)

library(metafor)

## Loading required package: Matrix

## Loading 'metafor' package (version 2.0-0). For an overview
## and introduction to the package please type: help(metafor).

# Data import via rio : https://cran.r-project.org/web/packages/rio/README.html
install.packages("rio")

## Installing package into '/home/rstudio-user/R/x86_64-pc-linux-gnu-library/3.5'
## (as 'lib' is unspecified)

library("rio")

dat.analysis <- import("datAnalysis.csv")
head(dat.analysis)

##   V1 id.article id.study id.sample id.subsample year   country.study
## 1  1         101     1011     10111     101111 2013 Continental Europe
## 2  2         101     1011     10111     101111 2013 Continental Europe
## 3  3         101     1011     10111     101111 2013 Continental Europe
## 4  4         102     1021     10211     102111 1988             Asia
## 5  5         102     1021     10211     102111 1988             Asia
## 6  6         102     1021     10211     102111 1988             Asia
##   language n.schizo male.percent1 age.mean1 age.min age.max n.control
## 1 Non-English      60      68.33  40.865     23     55      35
## 2 Non-English      60      68.33  40.865     23     55      35
## 3 Non-English      60      68.33  40.865     23     55      35
## 4 Non-English      78     100.00  33.000     NA     NA     544
## 5 Non-English      78     100.00  33.000     NA     NA     544
## 6 Non-English      78     100.00  33.000     NA     NA     544
##   male.percent2 age.mean2 age.min2 age.max2 age.mean.all2
## 1      57.14    37.829      25      55      39.746
## 2      57.14    37.829      25      55      39.746
## 3      57.14    37.829      25      55      39.746
## 4     100.00      NA      NA      NA      33.000
## 5     100.00      NA      NA      NA      33.000
## 6     100.00      NA      NA      NA      33.000
##   sample.clinical sample.student
## 1 3 - comparison of clinical and nonclinical 2 - nonstudent
## 2 3 - comparison of clinical and nonclinical 2 - nonstudent
## 3 3 - comparison of clinical and nonclinical 2 - nonstudent
## 4 3 - comparison of clinical and nonclinical 2 - nonstudent
```

```

## 5 3 - comparison of clinical and nonclinical 2 - nonstudent
## 6 3 - comparison of clinical and nonclinical 2 - nonstudent
##      longitudinal      schizo.type      schizo.measure      posneg
## 1 2 - transversal 4 - schizophrenia 2 - rating by expert 3-nonclassified
## 2 2 - transversal 4 - schizophrenia 2 - rating by expert 3-nonclassified
## 3 2 - transversal 4 - schizophrenia 2 - rating by expert 3-nonclassified
## 4 2 - transversal 4 - schizophrenia 2 - rating by expert 3-nonclassified
## 5 2 - transversal 4 - schizophrenia 2 - rating by expert 3-nonclassified
## 6 2 - transversal 4 - schizophrenia 2 - rating by expert 3-nonclassified
##      schizoscore.type      persmodel      trait
## 1      <NA> 1 - Eysenck 1 - Neuroticism
## 2      <NA> 1 - Eysenck 2 - Extraversion
## 3      <NA> 1 - Eysenck 3 - Psychoticism
## 4      <NA> 1 - Eysenck 1 - Neuroticism
## 5      <NA> 1 - Eysenck 2 - Extraversion
## 6      <NA> 1 - Eysenck 3 - Psychoticism
##      schizo.core schizo.neurot      score.type      es.measure r
## 1 1 - core schizotypy content 1 - schizo 1 - Summative 2 - Cohen's d NA
## 2 1 - core schizotypy content 1 - schizo 1 - Summative 2 - Cohen's d NA
## 3 1 - core schizotypy content 1 - schizo 1 - Summative 2 - Cohen's d NA
## 4 1 - core schizotypy content 1 - schizo 1 - Summative 2 - Cohen's d NA
## 5 1 - core schizotypy content 1 - schizo 1 - Summative 2 - Cohen's d NA
## 6 1 - core schizotypy content 1 - schizo 1 - Summative 2 - Cohen's d NA
##      m.schizo sd.schizo m.control sd.control study      es      weight
## 1      8.80      4.70      7.40      5.00      NA      0.1389846      95.07351
## 2     10.80      4.60     13.70      4.00      NA     -0.3036019      91.41020
## 3      7.00      3.10      3.00      1.30      NA      0.5972383      75.37945
## 4     13.09      4.13      8.51      4.20      NA      0.3402849     584.77503
## 5      8.69      3.10     10.34      3.32      NA     -0.1636775     614.55509
## 6      6.31      3.64      3.25      2.81      NA      0.3272768     587.80382
##      sample.size      se      var      ci.lo      ci.hi      fishers.z
## 1      95 0.10255816 0.010518177 -0.0610443 0.32828094 0.1398900
## 2      95 0.10459301 0.010939698 -0.4765268 -0.10806034 -0.3134825
## 3      95 0.11517906 0.013266216 0.4326044 0.72332798 0.6888431
## 4     622 0.04135286 0.001710059 0.2667528 0.40987817 0.3544147
## 5     622 0.04033849 0.001627193 -0.2394825 -0.08588897 -0.1651631
## 6     622 0.04124619 0.001701248 0.2532985 0.39744958 0.3397754
##      ci.lo.z      ci.hi.z      measure
## 1 -0.06112029 0.34090033      r
## 2 -0.51848100 -0.10848392      r
## 3 0.46309628 0.91458990      r
## 4 0.27336453 0.43546478      r
## 5 -0.24422507 -0.08610111      r
## 6 0.25893431 0.42061639      r

```

```
# Overall mean correlation and predicted values: Fit a random effects model
```

```
res.re <- rma(es, var, data=dat.analysis)
res.re
```

```

##
## Random-Effects Model (k = 350; tau^2 estimator: REML)
##
## tau^2 (estimated amount of total heterogeneity): 0.0566 (SE = 0.0048)
## tau (square root of estimated tau^2 value):      0.2380
## I^2 (total heterogeneity / total variability):    95.69%

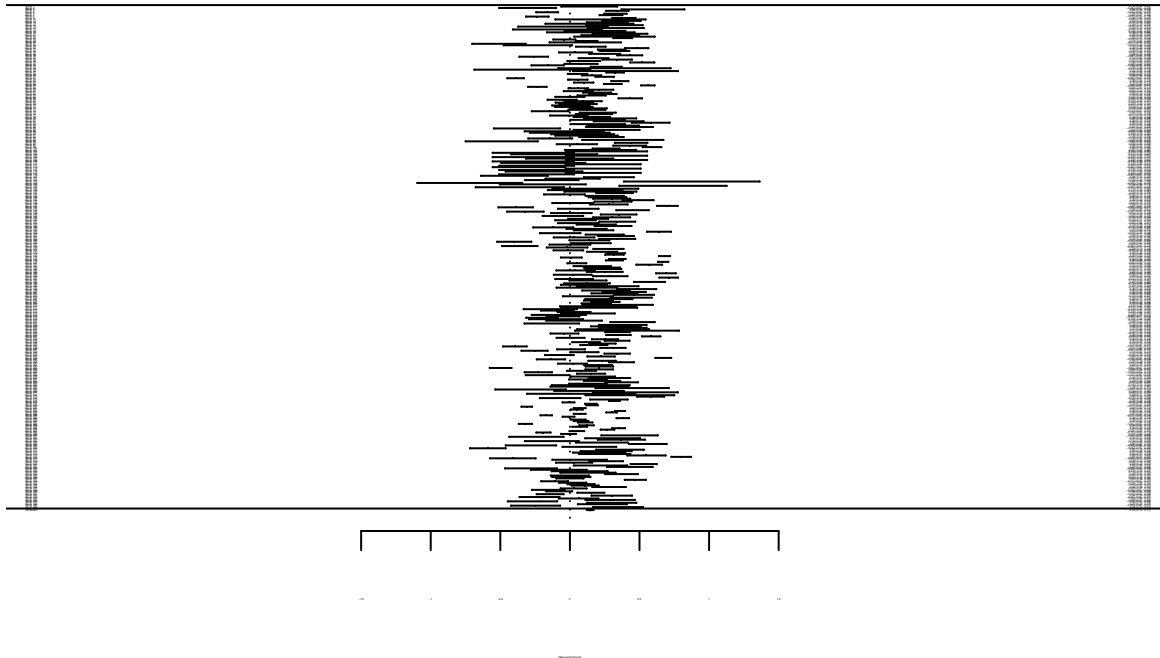
```

```
## H^2 (total variability / sampling variability): 23.20
##
## Test for Heterogeneity:
## Q(df = 349) = 9676.7480, p-val < .0001
##
## Model Results:
##
## estimate      se      zval      pval      ci.lb      ci.ub
## 0.1458 0.0135 10.8334 <.0001 0.1194 0.1722 ***
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

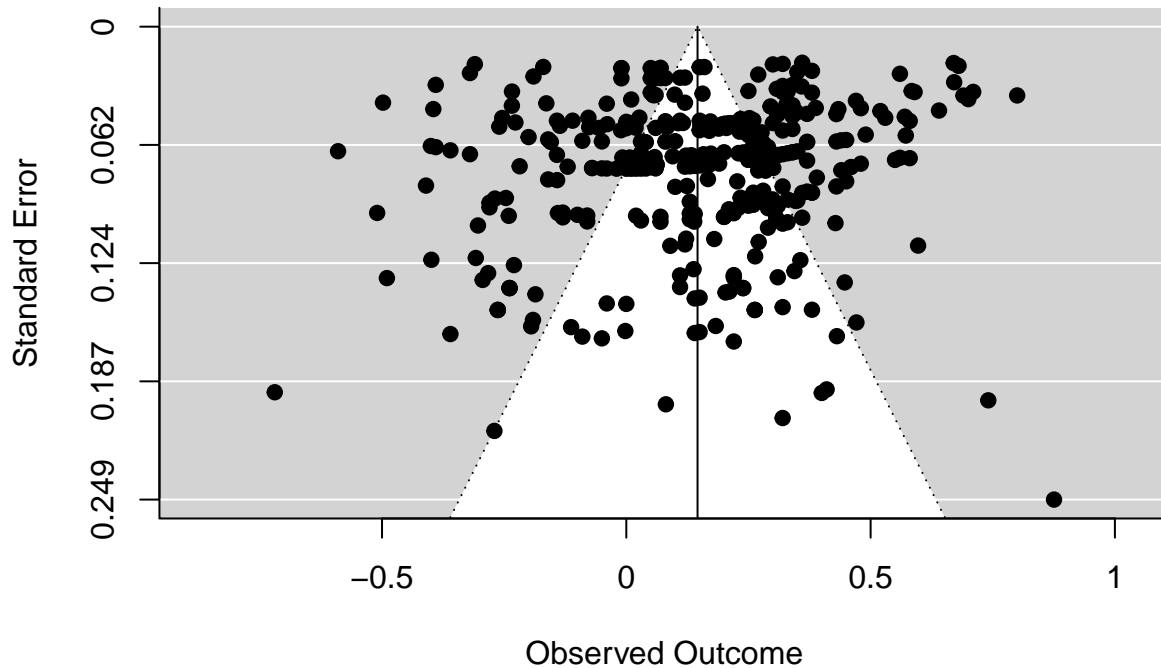
```
predict(res.re)
```

```
##   pred      se ci.lb ci.ub  cr.lb cr.ub
## 0.1458 0.0135 0.1194 0.1722 -0.3214 0.6130
```

```
# Display forest plot
forest(res.re)
```



```
# Display funnel plot
funnel(res.re)
```



```
# Publication bias assessment: Regression test for funnel plot asymmetry
regtest(res.re, model="lm")
```

```
##
## Regression Test for Funnel Plot Asymmetry
##
## model:      weighted regression with multiplicative dispersion
## predictor:  standard error
##
## test for funnel plot asymmetry: t = -1.8223, df = 348, p = 0.0693
```

```
# Mean corr: PP <> Neuroticism #####
res.re.n <- rma(es, var, data=dat.analysis, subset = (dat.analysis$trait == "1 - Neuroticism"))
res.re.n
```

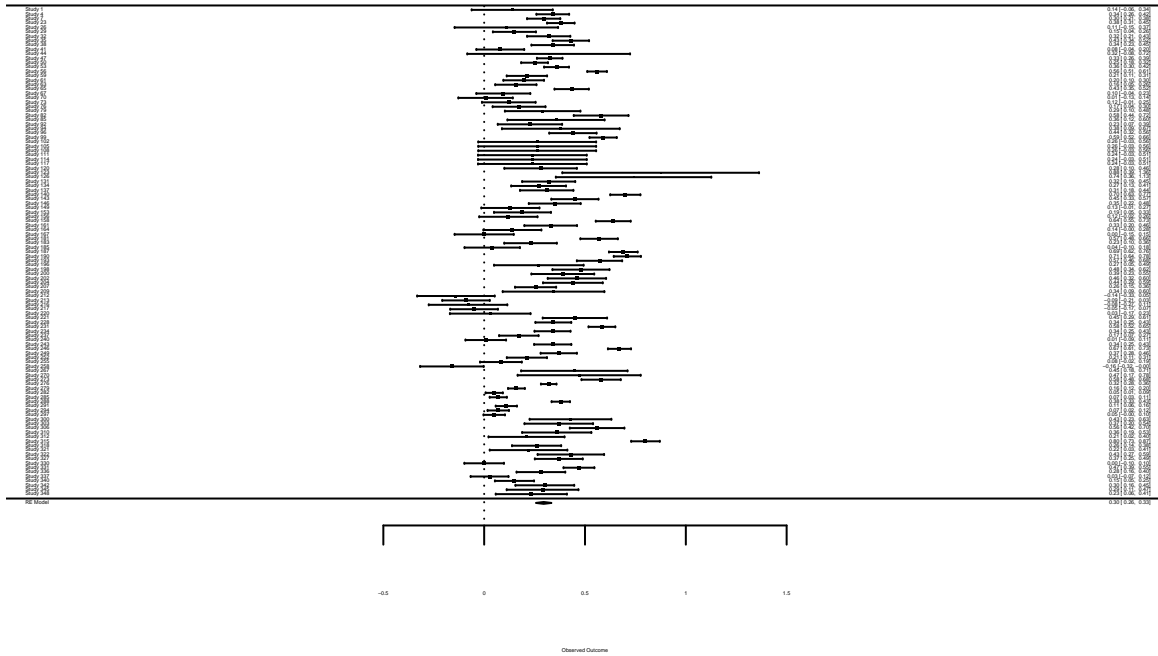
```
##
## Random-Effects Model (k = 111; tau^2 estimator: REML)
##
## tau^2 (estimated amount of total heterogeneity): 0.0369 (SE = 0.0057)
## tau (square root of estimated tau^2 value):      0.1920
## I^2 (total heterogeneity / total variability):   93.98%
## H^2 (total variability / sampling variability):  16.60
##
## Test for Heterogeneity:
## Q(df = 110) = 2180.5092, p-val < .0001
##
## Model Results:
##
## estimate      se      zval      pval      ci.lb      ci.ub      ***
## 0.2951 0.0196 15.0693 <.0001 0.2567 0.3334 ***
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
predict(res.re.n)
```

```
##   pred    se ci.lb ci.ub  cr.lb cr.ub  
## 0.2951 0.0196 0.2567 0.3334 -0.0831 0.6733
```

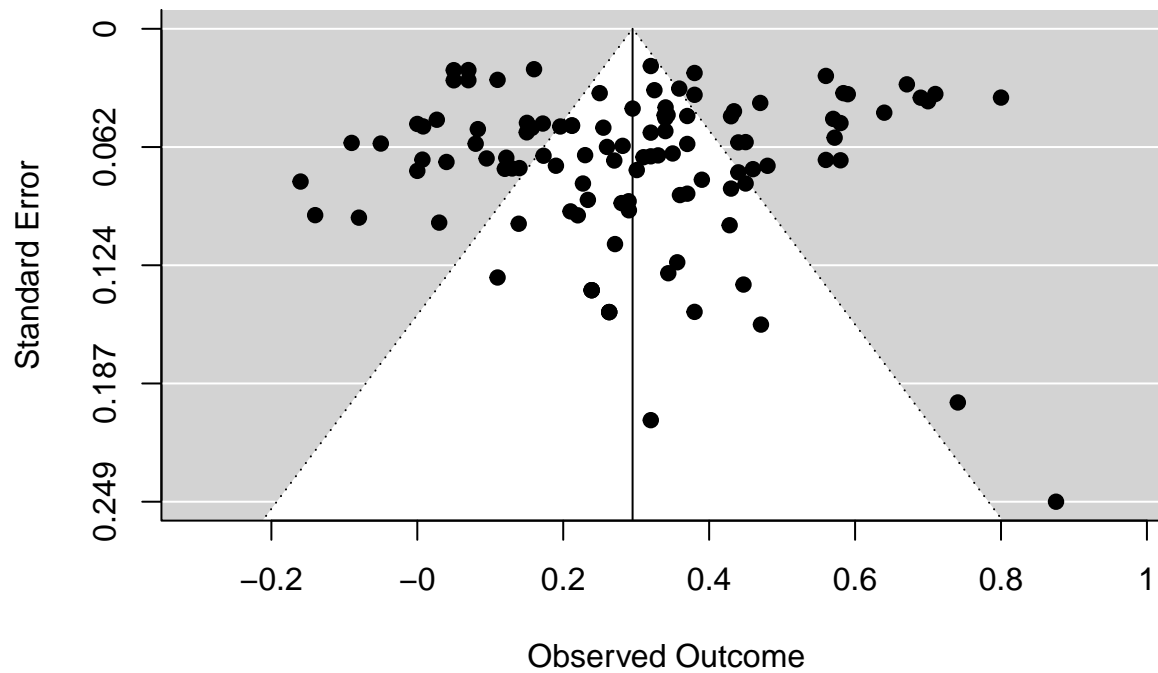
```
# display forest plot
```

```
forest(res.re.n)
```



```
# display funnel plot
```

```
funnel(res.re.n)
```



```
# Publication bias assessment: Regression test for funnel plot asymmetry
regtest(res.re.n, model="lm")
```

```
##
## Regression Test for Funnel Plot Asymmetry
##
## model:      weighted regression with multiplicative dispersion
## predictor:  standard error
##
## test for funnel plot asymmetry: t = -0.2300, df = 109, p = 0.8186
```

```
# Moderators: PP <> Neuroticism #####
```

```
## All moderators included simultaneously
```

```
res.re.n.metareg <- rma(es, var, mods = ~ factor(sample.clinical)
+ factor(sample.student)
+ factor(schizo.measure)
+ factor(posneg)
+ factor(es.measure)
+ factor(country.study)
+ factor(language)
+ factor (schizo.core)
+ factor (schizo.neurot)
+ year
+ age.mean.all2, data=dat.analysis, subset = (dat.analysis$trait == "1 - Neurot.
```

```
## Warning in rma(es, var, mods = ~factor(sample.clinical) +
## factor(sample.student) + : Studies with NAs omitted from model fitting.
```

```
## Warning in rma(es, var, mods = ~factor(sample.clinical) +
## factor(sample.student) + : Redundant predictors dropped from the model.
```

```
res.re.n.metareg
```

```
##
## Mixed-Effects Model (k = 88; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0159 (SE = 0.0036)
## tau (square root of estimated tau^2 value):             0.1260
## I^2 (residual heterogeneity / unaccounted variability): 81.49%
## H^2 (unaccounted variability / sampling variability):    5.40
## R^2 (amount of heterogeneity accounted for):            44.58%
##
## Test for Residual Heterogeneity:
## QE(df = 68) = 405.1855, p-val < .0001
##
## Test of Moderators (coefficient(s) 2:20):
## QM(df = 19) = 70.0099, p-val < .0001
##
## Model Results:
##
##
## intrcpt                estimate
## factor(sample.clinical)2 - clinical      -0.2299
## factor(sample.clinical)3 - comparison of clinical and nonclinical -0.4421
## factor(sample.student)2 - nonstudent      0.0501
```

```

## factor(sample.student)3 - combined student and nonstudent      -0.0228
## factor(schizo.measure)2 - rating by expert                      -0.0545
## factor(posneg)2-negative                                       -0.1462
## factor(posneg)3-nonclassified                                   0.3472
## factor(country.study)Australia and NZ                          -0.0227
## factor(country.study)Continental Europe                        -0.0087
## factor(country.study)South America                            -0.1519
## factor(country.study)UK                                       -0.0536
## factor(country.study)USA                                      -0.0428
## factor(language)Non-English                                   -0.0186
## factor(schizo.core)2 - strong correlate but not core (E-)      -0.0112
## factor(schizo.core)3 - weak correlate but not core (C-, A-)    -0.4576
## factor(schizo.core)4 - neither core nor correlate              -0.1957
## factor(schizo.neurot)2 - neurot                                0.2226
## year                                                            0.0013
## age.mean.all2                                                 0.0002
##                                                                    se
## intrcpt                                                         4.0908
## factor(sample.clinical)2 - clinical                             0.1143
## factor(sample.clinical)3 - comparison of clinical and nonclinical 0.1616
## factor(sample.student)2 - nonstudent                           0.0787
## factor(sample.student)3 - combined student and nonstudent     0.0583
## factor(schizo.measure)2 - rating by expert                     0.0909
## factor(posneg)2-negative                                       0.0718
## factor(posneg)3-nonclassified                                   0.1367
## factor(country.study)Australia and NZ                          0.1447
## factor(country.study)Continental Europe                        0.1013
## factor(country.study)South America                            0.1324
## factor(country.study)UK                                       0.1327
## factor(country.study)USA                                      0.1208
## factor(language)Non-English                                   0.0869
## factor(schizo.core)2 - strong correlate but not core (E-)      0.0920
## factor(schizo.core)3 - weak correlate but not core (C-, A-)    0.1577
## factor(schizo.core)4 - neither core nor correlate              0.0943
## factor(schizo.neurot)2 - neurot                                0.0877
## year                                                            0.0021
## age.mean.all2                                                 0.0053
##                                                                    zval
## intrcpt                                                         -0.5082
## factor(sample.clinical)2 - clinical                             -2.0111
## factor(sample.clinical)3 - comparison of clinical and nonclinical -2.7364
## factor(sample.student)2 - nonstudent                           0.6364
## factor(sample.student)3 - combined student and nonstudent     -0.3918
## factor(schizo.measure)2 - rating by expert                     -0.5994
## factor(posneg)2-negative                                       -2.0379
## factor(posneg)3-nonclassified                                   2.5407
## factor(country.study)Australia and NZ                          -0.1569
## factor(country.study)Continental Europe                        -0.0856
## factor(country.study)South America                            -1.1475
## factor(country.study)UK                                       -0.4042
## factor(country.study)USA                                      -0.3542
## factor(language)Non-English                                   -0.2146
## factor(schizo.core)2 - strong correlate but not core (E-)      -0.1221
## factor(schizo.core)3 - weak correlate but not core (C-, A-)    -2.9016

```

```

## factor(schizo.core)4 - neither core nor correlate -2.0743
## factor(schizo.neurot)2 - neurot 2.5364
## year 0.6071
## age.mean.all2 0.0452
## pval
## intrcpt 0.6113
## factor(sample.clinical)2 - clinical 0.0443
## factor(sample.clinical)3 - comparison of clinical and nonclinical 0.0062
## factor(sample.student)2 - nonstudent 0.5245
## factor(sample.student)3 - combined student and nonstudent 0.6952
## factor(schizo.measure)2 - rating by expert 0.5489
## factor(posneg)2-negative 0.0416
## factor(posneg)3-nonclassified 0.0111
## factor(country.study)Australia and NZ 0.8753
## factor(country.study)Continental Europe 0.9318
## factor(country.study)South America 0.2512
## factor(country.study)UK 0.6860
## factor(country.study)USA 0.7232
## factor(language)Non-English 0.8301
## factor(schizo.core)2 - strong correlate but not core (E-) 0.9029
## factor(schizo.core)3 - weak correlate but not core (C-, A-) 0.0037
## factor(schizo.core)4 - neither core nor correlate 0.0380
## factor(schizo.neurot)2 - neurot 0.0112
## year 0.5438
## age.mean.all2 0.9639
## ci.lb
## intrcpt -10.0968
## factor(sample.clinical)2 - clinical -0.4539
## factor(sample.clinical)3 - comparison of clinical and nonclinical -0.7587
## factor(sample.student)2 - nonstudent -0.1042
## factor(sample.student)3 - combined student and nonstudent -0.1370
## factor(schizo.measure)2 - rating by expert -0.2327
## factor(posneg)2-negative -0.2869
## factor(posneg)3-nonclassified 0.0794
## factor(country.study)Australia and NZ -0.3064
## factor(country.study)Continental Europe -0.2072
## factor(country.study)South America -0.4113
## factor(country.study)UK -0.3137
## factor(country.study)USA -0.2795
## factor(language)Non-English -0.1890
## factor(schizo.core)2 - strong correlate but not core (E-) -0.1915
## factor(schizo.core)3 - weak correlate but not core (C-, A-) -0.7668
## factor(schizo.core)4 - neither core nor correlate -0.3806
## factor(schizo.neurot)2 - neurot 0.0506
## year -0.0028
## age.mean.all2 -0.0102
## ci.ub
## intrcpt 5.9388
## factor(sample.clinical)2 - clinical -0.0058
## factor(sample.clinical)3 - comparison of clinical and nonclinical -0.1254
## factor(sample.student)2 - nonstudent 0.2044
## factor(sample.student)3 - combined student and nonstudent 0.0914
## factor(schizo.measure)2 - rating by expert 0.1237
## factor(posneg)2-negative -0.0056

```



```

## factor(posneg)3-nonclassified 0.6151
## factor(country.study)Australia and NZ 0.2609
## factor(country.study)Continental Europe 0.1899
## factor(country.study)South America 0.1075
## factor(country.study)UK 0.2065
## factor(country.study)USA 0.1940
## factor(language)Non-English 0.1517
## factor(schizo.core)2 - strong correlate but not core (E-) 0.1691
## factor(schizo.core)3 - weak correlate but not core (C-, A-) -0.1485
## factor(schizo.core)4 - neither core nor correlate -0.0108
## factor(schizo.neurot)2 - neurot 0.3945
## year 0.0053
## age.mean.all2 0.0107
##
## intrcpt
## factor(sample.clinical)2 - clinical *
## factor(sample.clinical)3 - comparison of clinical and nonclinical **
## factor(sample.student)2 - nonstudent
## factor(sample.student)3 - combined student and nonstudent
## factor(schizo.measure)2 - rating by expert
## factor(posneg)2-negative *
## factor(posneg)3-nonclassified *
## factor(country.study)Australia and NZ
## factor(country.study)Continental Europe
## factor(country.study)South America
## factor(country.study)UK
## factor(country.study)USA
## factor(language)Non-English
## factor(schizo.core)2 - strong correlate but not core (E-)
## factor(schizo.core)3 - weak correlate but not core (C-, A-) **
## factor(schizo.core)4 - neither core nor correlate *
## factor(schizo.neurot)2 - neurot *
## year
## age.mean.all2
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## sample.clinical <> Neuroticism
res.re.n.sample.clinical <- rma(es, var, mods = ~ factor(sample.clinical)-1, data=dat.analysis, subset
res.re.n.sample.clinical

##
## Mixed-Effects Model (k = 111; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity): 0.0323 (SE = 0.0051)
## tau (square root of estimated tau^2 value): 0.1796
## I^2 (residual heterogeneity / unaccounted variability): 93.21%
## H^2 (unaccounted variability / sampling variability): 14.72
##
## Test for Residual Heterogeneity:
## QE(df = 108) = 2048.1981, p-val < .0001
##
## Test of Moderators (coefficient(s) 1:3):
## QM(df = 3) = 271.1948, p-val < .0001

```

```

##
## Model Results:
##
##
## estimate
## factor(sample.clinical)1 - nonclinical      0.3169
## factor(sample.clinical)2 - clinical         0.0171
## factor(sample.clinical)3 - comparison of clinical and nonclinical 0.3012
##
## se
## factor(sample.clinical)1 - nonclinical      0.0207
## factor(sample.clinical)2 - clinical         0.0722
## factor(sample.clinical)3 - comparison of clinical and nonclinical 0.0499
##
## zval
## factor(sample.clinical)1 - nonclinical     15.3223
## factor(sample.clinical)2 - clinical         0.2372
## factor(sample.clinical)3 - comparison of clinical and nonclinical 6.0304
##
## pval
## factor(sample.clinical)1 - nonclinical     <.0001
## factor(sample.clinical)2 - clinical         0.8125
## factor(sample.clinical)3 - comparison of clinical and nonclinical <.0001
##
## ci.lb
## factor(sample.clinical)1 - nonclinical     0.2764
## factor(sample.clinical)2 - clinical        -0.1244
## factor(sample.clinical)3 - comparison of clinical and nonclinical 0.2033
##
## ci.ub
## factor(sample.clinical)1 - nonclinical     0.3574
## factor(sample.clinical)2 - clinical         0.1587
## factor(sample.clinical)3 - comparison of clinical and nonclinical 0.3990
##
##
## factor(sample.clinical)1 - nonclinical      ***
## factor(sample.clinical)2 - clinical
## factor(sample.clinical)3 - comparison of clinical and nonclinical ***
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
## sample.clinical <> Neuroticism: Reference: nonclinical sample
res.re.n.sample.clinical.r <- rma(es, var, mods = ~ factor(sample.clinical), data=dat.analysis, subset
res.re.n.sample.clinical.r

##
## Mixed-Effects Model (k = 111; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0323 (SE = 0.0051)
## tau (square root of estimated tau^2 value):              0.1796
## I^2 (residual heterogeneity / unaccounted variability): 93.21%
## H^2 (unaccounted variability / sampling variability):    14.72
## R^2 (amount of heterogeneity accounted for):              12.44%
##
## Test for Residual Heterogeneity:
## QE(df = 108) = 2048.1981, p-val < .0001
##
## Test of Moderators (coefficient(s) 2:3):
## QM(df = 2) = 15.9365, p-val = 0.0003
##
## Model Results:

```

```

##
##
## intrcpt                estimate
## factor(sample.clinical)2 - clinical      -0.2998
## factor(sample.clinical)3 - comparison of clinical and nonclinical -0.0157
##
##                                se
## intrcpt                0.0207
## factor(sample.clinical)2 - clinical      0.0751
## factor(sample.clinical)3 - comparison of clinical and nonclinical 0.0541
##
##                                zval
## intrcpt                15.3223
## factor(sample.clinical)2 - clinical     -3.9899
## factor(sample.clinical)3 - comparison of clinical and nonclinical -0.2909
##
##                                pval
## intrcpt                <.0001
## factor(sample.clinical)2 - clinical     <.0001
## factor(sample.clinical)3 - comparison of clinical and nonclinical 0.7711
##
##                                ci.lb
## intrcpt                0.2764
## factor(sample.clinical)2 - clinical     -0.4470
## factor(sample.clinical)3 - comparison of clinical and nonclinical -0.1217
##
##                                ci.ub
## intrcpt                0.3574
## factor(sample.clinical)2 - clinical     -0.1525
## factor(sample.clinical)3 - comparison of clinical and nonclinical 0.0902
##
## intrcpt                ***
## factor(sample.clinical)2 - clinical     ***
## factor(sample.clinical)3 - comparison of clinical and nonclinical
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

```

```
## sample.student <> Neuroticism
```

```
res.re.n.sample.student <- rma(es, var, mods = ~ factor(sample.student) -1, data=dat.analysis, subset =
res.re.n.sample.student
```

```

##
## Mixed-Effects Model (k = 111; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):    0.0361 (SE = 0.0056)
## tau (square root of estimated tau^2 value):          0.1899
## I^2 (residual heterogeneity / unaccounted variability): 93.78%
## H^2 (unaccounted variability / sampling variability):  16.07
##
## Test for Residual Heterogeneity:
## QE(df = 108) = 1945.3282, p-val < .0001
##
## Test of Moderators (coefficient(s) 1:3):
## QM(df = 3) = 234.8673, p-val < .0001
##
## Model Results:
##
##                                estimate
## factor(sample.student)1 - student      0.3351

```

```

## factor(sample.student)2 - nonstudent          0.2554
## factor(sample.student)3 - combined student and nonstudent 0.2909
##                                     se      zval
## factor(sample.student)1 - student          0.0302 11.0976
## factor(sample.student)2 - nonstudent          0.0308  8.2880
## factor(sample.student)3 - combined student and nonstudent 0.0443  6.5589
##                                     pval    ci.lb
## factor(sample.student)1 - student          <.0001  0.2759
## factor(sample.student)2 - nonstudent          <.0001  0.1950
## factor(sample.student)3 - combined student and nonstudent <.0001  0.2039
##                                     ci.ub
## factor(sample.student)1 - student          0.3942 ***
## factor(sample.student)2 - nonstudent          0.3158 ***
## factor(sample.student)3 - combined student and nonstudent 0.3778 ***
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## sample.student <> Neuroticism: Reference: student sample
res.re.n.sample.student.r <- rma(es, var, mods = ~ factor(sample.student), data=dat.analysis, subset =
res.re.n.sample.student.r

##
## Mixed-Effects Model (k = 111; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0361 (SE = 0.0056)
## tau (square root of estimated tau^2 value):              0.1899
## I^2 (residual heterogeneity / unaccounted variability): 93.78%
## H^2 (unaccounted variability / sampling variability):    16.07
## R^2 (amount of heterogeneity accounted for):             2.13%
##
## Test for Residual Heterogeneity:
## QE(df = 108) = 1945.3282, p-val < .0001
##
## Test of Moderators (coefficient(s) 2:3):
## QM(df = 2) = 3.4184, p-val = 0.1810
##
## Model Results:
##
##                                     estimate
## intrcpt                             0.3351
## factor(sample.student)2 - nonstudent -0.0796
## factor(sample.student)3 - combined student and nonstudent -0.0442
##                                     se      zval
## intrcpt                             0.0302 11.0976
## factor(sample.student)2 - nonstudent 0.0431 -1.8459
## factor(sample.student)3 - combined student and nonstudent 0.0536 -0.8240
##                                     pval    ci.lb
## intrcpt                             <.0001  0.2759
## factor(sample.student)2 - nonstudent 0.0649 -0.1642
## factor(sample.student)3 - combined student and nonstudent 0.4099 -0.1494
##                                     ci.ub
## intrcpt                             0.3942 ***
## factor(sample.student)2 - nonstudent 0.0049 .
## factor(sample.student)3 - combined student and nonstudent 0.0609

```

```

##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## schizo.measure <> Neuroticism
res.re.n.schizo.measure <- rma(es, var, mods = ~ factor(schizo.measure) -1, data=dat.analysis, subset =
res.re.n.schizo.measure

##
## Mixed-Effects Model (k = 111; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0370 (SE = 0.0057)
## tau (square root of estimated tau^2 value):             0.1924
## I^2 (residual heterogeneity / unaccounted variability): 94.00%
## H^2 (unaccounted variability / sampling variability):    16.67
##
## Test for Residual Heterogeneity:
## QE(df = 109) = 2166.0280, p-val < .0001
##
## Test of Moderators (coefficient(s) 1:2):
## QM(df = 2) = 226.3895, p-val < .0001
##
## Model Results:
##
##
##              estimate      se      zval
## factor(schizo.measure)1 - self-report      0.2977  0.0207  14.3639
## factor(schizo.measure)2 - rating by expert  0.2722  0.0608   4.4798
##
##              pval    ci.lb    ci.ub
## factor(schizo.measure)1 - self-report    <.0001  0.2571  0.3384 ***
## factor(schizo.measure)2 - rating by expert <.0001  0.1531  0.3912 ***
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## schizo.measure <> Neuroticism: Reference: self-report
res.re.n.schizo.measure.r <- rma(es, var, mods = ~ factor(schizo.measure), data=dat.analysis, subset = (
res.re.n.schizo.measure.r

##
## Mixed-Effects Model (k = 111; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0370 (SE = 0.0057)
## tau (square root of estimated tau^2 value):             0.1924
## I^2 (residual heterogeneity / unaccounted variability): 94.00%
## H^2 (unaccounted variability / sampling variability):    16.67
## R^2 (amount of heterogeneity accounted for):            0.00%
##
## Test for Residual Heterogeneity:
## QE(df = 109) = 2166.0280, p-val < .0001
##
## Test of Moderators (coefficient(s) 2):
## QM(df = 1) = 0.1588, p-val = 0.6903
##
## Model Results:
##
##              estimate      se      zval

```

```
## intrcpt                0.2977  0.0207  14.3639
## factor(schizo.measure)2 - rating by expert  -0.0256  0.0642  -0.3985
##                                pval    ci.lb   ci.ub
## intrcpt                <.0001  0.2571  0.3384  ***
## factor(schizo.measure)2 - rating by expert  0.6903  -0.1514  0.1002
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
## posneg <> Neuroticism
```

```
res.re.n.nosneg <- rma(es, var, mods = ~ factor(posneg) -1, data=dat.analysis, subset = (dat.analysis$tr
res.re.n.nosneg
```

```
##
## Mixed-Effects Model (k = 111; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0260 (SE = 0.0042)
## tau (square root of estimated tau^2 value):             0.1613
## I^2 (residual heterogeneity / unaccounted variability): 91.46%
## H^2 (unaccounted variability / sampling variability):    11.71
##
## Test for Residual Heterogeneity:
## QE(df = 108) = 1268.6167, p-val < .0001
##
## Test of Moderators (coefficient(s) 1:3):
## QM(df = 3) = 347.0922, p-val < .0001
##
## Model Results:
##
##              estimate      se      zval      pval      ci.lb
## factor(posneg)1-positive      0.3807  0.0229  16.6076 <.0001  0.3358
## factor(posneg)2-negative      0.1275  0.0334   3.8160 0.0001  0.0620
## factor(posneg)3-nonclassified  0.2787  0.0370   7.5312 <.0001  0.2062
##
##              ci.ub
## factor(posneg)1-positive      0.4256 ***
## factor(posneg)2-negative      0.1930 ***
## factor(posneg)3-nonclassified  0.3512 ***
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
## posneg <> Neuroticis: Reference: positive
```

```
res.re.n.nosneg.r <- rma(es, var, mods = ~ factor(posneg), data=dat.analysis, subset = (dat.analysis$tr
res.re.n.nosneg.r
```

```
##
## Mixed-Effects Model (k = 111; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0260 (SE = 0.0042)
## tau (square root of estimated tau^2 value):             0.1613
## I^2 (residual heterogeneity / unaccounted variability): 91.46%
## H^2 (unaccounted variability / sampling variability):    11.71
## R^2 (amount of heterogeneity accounted for):            29.43%
##
## Test for Residual Heterogeneity:
## QE(df = 108) = 1268.6167, p-val < .0001
```

```

##
## Test of Moderators (coefficient(s) 2:3):
## QM(df = 2) = 39.2949, p-val < .0001
##
## Model Results:
##
##               estimate      se      zval      pval      ci.lb
## intrcpt                0.3807  0.0229  16.6076 <.0001  0.3358
## factor(posneg)2-negative -0.2532  0.0405  -6.2481 <.0001 -0.3326
## factor(posneg)3-nonclassified -0.1020  0.0435  -2.3440  0.0191 -0.1873
##               ci.ub
## intrcpt                0.4256 ***
## factor(posneg)2-negative -0.1738 ***
## factor(posneg)3-nonclassified -0.0167 *
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## es.measure <> Neuroticism
res.re.n.es.measure <- rma(es, var, mods = ~ factor(es.measure) -1, data=dat.analysis, subset = (dat.analysis$es.measure == "Neuroticism"))
res.re.n.es.measure

##
## Mixed-Effects Model (k = 111; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0372 (SE = 0.0058)
## tau (square root of estimated tau^2 value):              0.1930
## I^2 (residual heterogeneity / unaccounted variability): 94.03%
## H^2 (unaccounted variability / sampling variability):    16.76
##
## Test for Residual Heterogeneity:
## QE(df = 109) = 2169.9515, p-val < .0001
##
## Test of Moderators (coefficient(s) 1:2):
## QM(df = 2) = 225.0346, p-val < .0001
##
## Model Results:
##
##               estimate      se      zval      pval
## factor(es.measure)1 - correlation      0.2941  0.0211  13.9374 <.0001
## factor(es.measure)2 - Cohen's d        0.3015  0.0543   5.5483 <.0001
##               ci.lb      ci.ub
## factor(es.measure)1 - correlation      0.2527  0.3355 ***
## factor(es.measure)2 - Cohen's d        0.1950  0.4080 ***
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## es.measure <> Neuroticism: Reference: correlation
res.re.n.es.measure.r <- rma(es, var, mods = ~ factor(es.measure), data=dat.analysis, subset = (dat.analysis$es.measure == "Neuroticism"))
res.re.n.es.measure.r

##
## Mixed-Effects Model (k = 111; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0372 (SE = 0.0058)

```

```

## tau (square root of estimated tau^2 value):          0.1930
## I^2 (residual heterogeneity / unaccounted variability): 94.03%
## H^2 (unaccounted variability / sampling variability):  16.76
## R^2 (amount of heterogeneity accounted for):         0.00%
##
## Test for Residual Heterogeneity:
## QE(df = 109) = 2169.9515, p-val < .0001
##
## Test of Moderators (coefficient(s) 2):
## QM(df = 1) = 0.0161, p-val = 0.8991
##
## Model Results:
##
##              estimate      se      zval      pval
## intrcpt              0.2941  0.0211  13.9374 <.0001
## factor(es.measure)2 - Cohen's d  0.0074  0.0583   0.1268  0.8991
##              ci.lb      ci.ub
## intrcpt              0.2527  0.3355   ***
## factor(es.measure)2 - Cohen's d -0.1069  0.1216
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## country.study <> Neuroticism
res.re.n.country.study <- rma(es, var, mods = ~ factor(country.study) -1, data=dat.analysis, subset = (
res.re.n.country.study

##
## Mixed-Effects Model (k = 111; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):    0.0352 (SE = 0.0056)
## tau (square root of estimated tau^2 value):           0.1875
## I^2 (residual heterogeneity / unaccounted variability): 93.57%
## H^2 (unaccounted variability / sampling variability):  15.56
##
## Test for Residual Heterogeneity:
## QE(df = 104) = 1617.0765, p-val < .0001
##
## Test of Moderators (coefficient(s) 1:7):
## QM(df = 7) = 246.1221, p-val < .0001
##
## Model Results:
##
##              estimate      se      zval      pval
## factor(country.study)Asia              0.3329  0.1182   2.8173  0.0048
## factor(country.study)Australia and NZ  0.1817  0.0558   3.2559  0.0011
## factor(country.study)Continental Europe 0.2832  0.0384   7.3696 <.0001
## factor(country.study)Israel            0.3440  0.2274   1.5128  0.1303
## factor(country.study)South America      0.2010  0.0653   3.0764  0.0021
## factor(country.study)UK                0.3470  0.0311  11.1552 <.0001
## factor(country.study)USA               0.3208  0.0527   6.0894 <.0001
##              ci.lb      ci.ub
## factor(country.study)Asia              0.1013  0.5645   **
## factor(country.study)Australia and NZ  0.0723  0.2910   **
## factor(country.study)Continental Europe 0.2079  0.3585   ***

```



```

## factor(country.study)Israel          -0.1017  0.7897
## factor(country.study)South America    0.0729  0.3290  **
## factor(country.study)UK               0.2860  0.4079  ***
## factor(country.study)USA              0.2175  0.4240  ***
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## country.study <> Neuroticism: Reference: Asia
res.re.n.country.study.r <- rma(es, var, mods = ~ factor(country.study), data=dat.analysis, subset = (d
res.re.n.country.study.r

##
## Mixed-Effects Model (k = 111; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0352 (SE = 0.0056)
## tau (square root of estimated tau^2 value):              0.1875
## I^2 (residual heterogeneity / unaccounted variability): 93.57%
## H^2 (unaccounted variability / sampling variability):    15.56
## R^2 (amount of heterogeneity accounted for):              4.57%
##
## Test for Residual Heterogeneity:
## QE(df = 104) = 1617.0765, p-val < .0001
##
## Test of Moderators (coefficient(s) 2:7):
## QM(df = 6) = 9.4716, p-val = 0.1487
##
## Model Results:
##
##              estimate      se      zval      pval
## intrcpt          0.3329  0.1182   2.8173  0.0048
## factor(country.study)Australia and NZ -0.1512  0.1307  -1.1572  0.2472
## factor(country.study)Continental Europe -0.0497  0.1242  -0.4000  0.6892
## factor(country.study)Israel           0.0111  0.2563   0.0434  0.9654
## factor(country.study)South America    -0.1319  0.1350  -0.9771  0.3285
## factor(country.study)UK                0.0141  0.1222   0.1153  0.9082
## factor(country.study)USA              -0.0121  0.1294  -0.0937  0.9253
##              ci.lb      ci.ub
## intrcpt          0.1013  0.5645  **
## factor(country.study)Australia and NZ -0.4073  0.1049
## factor(country.study)Continental Europe -0.2932  0.1938
## factor(country.study)Israel           -0.4911  0.5134
## factor(country.study)South America    -0.3965  0.1327
## factor(country.study)UK                -0.2254  0.2536
## factor(country.study)USA              -0.2657  0.2414
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## language <> Neuroticism
res.re.n.language <- rma(es, var, mods = ~ factor(language) -1, data=dat.analysis, subset = (dat.analysis
res.re.n.language

##
## Mixed-Effects Model (k = 111; tau^2 estimator: REML)
##

```

```

## tau^2 (estimated amount of residual heterogeneity):      0.0371 (SE = 0.0057)
## tau (square root of estimated tau^2 value):            0.1926
## I^2 (residual heterogeneity / unaccounted variability): 93.96%
## H^2 (unaccounted variability / sampling variability):   16.55
##
## Test for Residual Heterogeneity:
## QE(df = 109) = 2149.0803, p-val < .0001
##
## Test of Moderators (coefficient(s) 1:2):
## QM(df = 2) = 226.0327, p-val < .0001
##
## Model Results:
##
##               estimate      se      zval      pval      ci.lb
## factor(language)English      0.3032  0.0257  11.8129 <.0001  0.2529
## factor(language)Non-English   0.2836  0.0305   9.2998 <.0001  0.2238
##
##               ci.ub
## factor(language)English      0.3535 ***
## factor(language)Non-English  0.3434 ***
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## language <> Neuroticism: Reference: English
res.re.n.language.r <- rma(es, var, mods = ~ factor(language), data=dat.analysis, subset = (dat.analysis
res.re.n.language.r

##
## Mixed-Effects Model (k = 111; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0371 (SE = 0.0057)
## tau (square root of estimated tau^2 value):            0.1926
## I^2 (residual heterogeneity / unaccounted variability): 93.96%
## H^2 (unaccounted variability / sampling variability):   16.55
## R^2 (amount of heterogeneity accounted for):           0.00%
##
## Test for Residual Heterogeneity:
## QE(df = 109) = 2149.0803, p-val < .0001
##
## Test of Moderators (coefficient(s) 2):
## QM(df = 1) = 0.2407, p-val = 0.6237
##
## Model Results:
##
##               estimate      se      zval      pval      ci.lb
## intrcpt              0.3032  0.0257  11.8129 <.0001  0.2529
## factor(language)Non-English -0.0196  0.0399  -0.4907  0.6237 -0.0977
##
##               ci.ub
## intrcpt              0.3535 ***
## factor(language)Non-English 0.0586
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

```

```
## year <> Neuroticism
res.re.n.year <- rma(es, var, mods = ~ year, data=dat.analysis, subset = (dat.analysis$trait == "1 - Neuroticism"))
res.re.n.year
```

```
##
## Mixed-Effects Model (k = 111; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0372 (SE = 0.0058)
## tau (square root of estimated tau^2 value):             0.1928
## I^2 (residual heterogeneity / unaccounted variability): 94.00%
## H^2 (unaccounted variability / sampling variability):    16.65
## R^2 (amount of heterogeneity accounted for):            0.00%
##
## Test for Residual Heterogeneity:
## QE(df = 109) = 2165.0369, p-val < .0001
##
## Test of Moderators (coefficient(s) 2):
## QM(df = 1) = 0.2365, p-val = 0.6268
##
## Model Results:
##
##      estimate      se      zval      pval      ci.lb      ci.ub
## intrcpt      1.9400  3.3828   0.5735  0.5663  -4.6901  8.5701
## year        -0.0008  0.0017  -0.4863  0.6268  -0.0041  0.0025
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
## age.mean.all2 <> Neuroticism
res.re.n.age.mean.all2 <- rma(es, var, mods = ~ age.mean.all2, data=dat.analysis, subset = (dat.analysis$trait == "1 - Neuroticism"))
```

```
## Warning in rma(es, var, mods = ~age.mean.all2, data = dat.analysis, subset
## = (dat.analysis$trait == : Studies with NAs omitted from model fitting.
res.re.n.age.mean.all2
```

```
##
## Mixed-Effects Model (k = 88; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0290 (SE = 0.0053)
## tau (square root of estimated tau^2 value):             0.1702
## I^2 (residual heterogeneity / unaccounted variability): 90.10%
## H^2 (unaccounted variability / sampling variability):    10.11
## R^2 (amount of heterogeneity accounted for):            0.00%
##
## Test for Residual Heterogeneity:
## QE(df = 86) = 1024.6531, p-val < .0001
##
## Test of Moderators (coefficient(s) 2):
## QM(df = 1) = 0.0267, p-val = 0.8701
##
## Model Results:
##
##      estimate      se      zval      pval      ci.lb      ci.ub
## intrcpt      0.3420  0.0871   3.9283 <.0001  0.1714  0.5126 ***
```

```

## age.mean.all2   -0.0005  0.0032  -0.1635  0.8701  -0.0069  0.0058
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## schizo.core <> Neuroticism
res.re.n.schizo.core <- rma(es, var, mods = ~ factor(schizo.core) -1, data=dat.analysis, subset = (dat.
res.re.n.schizo.core

##
## Mixed-Effects Model (k = 111; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0297 (SE = 0.0048)
## tau (square root of estimated tau^2 value):             0.1722
## I^2 (residual heterogeneity / unaccounted variability): 92.21%
## H^2 (unaccounted variability / sampling variability):    12.84
##
## Test for Residual Heterogeneity:
## QE(df = 107) = 1313.3337, p-val < .0001
##
## Test of Moderators (coefficient(s) 1:4):
## QM(df = 4) = 299.4509, p-val < .0001
##
## Model Results:
##
##
##                                     estimate
## factor(schizo.core)1 - core schizotypy content      0.3412
## factor(schizo.core)2 - strong correlate but not core (E-) 0.1822
## factor(schizo.core)3 - weak correlate but not core (C-, A-) 0.1855
## factor(schizo.core)4 - neither core nor correlate      0.0480
##
##                                     se
## factor(schizo.core)1 - core schizotypy content      0.0203
## factor(schizo.core)2 - strong correlate but not core (E-) 0.0572
## factor(schizo.core)3 - weak correlate but not core (C-, A-) 0.0682
## factor(schizo.core)4 - neither core nor correlate      0.0682
##
##                                     zval
## factor(schizo.core)1 - core schizotypy content      16.7754
## factor(schizo.core)2 - strong correlate but not core (E-) 3.1836
## factor(schizo.core)3 - weak correlate but not core (C-, A-) 2.7216
## factor(schizo.core)4 - neither core nor correlate      0.7043
##
##                                     pval
## factor(schizo.core)1 - core schizotypy content      <.0001
## factor(schizo.core)2 - strong correlate but not core (E-) 0.0015
## factor(schizo.core)3 - weak correlate but not core (C-, A-) 0.0065
## factor(schizo.core)4 - neither core nor correlate      0.4812
##
##                                     ci.lb
## factor(schizo.core)1 - core schizotypy content      0.3014
## factor(schizo.core)2 - strong correlate but not core (E-) 0.0700
## factor(schizo.core)3 - weak correlate but not core (C-, A-) 0.0519
## factor(schizo.core)4 - neither core nor correlate      -0.0856
##
##                                     ci.ub
## factor(schizo.core)1 - core schizotypy content      0.3811 ***
## factor(schizo.core)2 - strong correlate but not core (E-) 0.2943 **
## factor(schizo.core)3 - weak correlate but not core (C-, A-) 0.3191 **
## factor(schizo.core)4 - neither core nor correlate      0.1816

```

```

##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
## schizo.core <> Neuroticism: Reference: core schizotypy content
res.re.n.schizo.core.r <- rma(es, var, mods = ~ factor(schizo.core), data=dat.analysis, subset = (dat.a
res.re.n.schizo.core.r

##
## Mixed-Effects Model (k = 111; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0297 (SE = 0.0048)
## tau (square root of estimated tau^2 value):             0.1722
## I^2 (residual heterogeneity / unaccounted variability): 92.21%
## H^2 (unaccounted variability / sampling variability):    12.84
## R^2 (amount of heterogeneity accounted for):             19.50%
##
## Test for Residual Heterogeneity:
## QE(df = 107) = 1313.3337, p-val < .0001
##
## Test of Moderators (coefficient(s) 2:4):
## QM(df = 3) = 24.7604, p-val < .0001
##
## Model Results:
##
##
##                                     estimate
## intrcpt                             0.3412
## factor(schizo.core)2 - strong correlate but not core (E-) -0.1591
## factor(schizo.core)3 - weak correlate but not core (C-, A-) -0.1557
## factor(schizo.core)4 - neither core nor correlate          -0.2932
##
##                                     se
## intrcpt                             0.0203
## factor(schizo.core)2 - strong correlate but not core (E-)  0.0607
## factor(schizo.core)3 - weak correlate but not core (C-, A-) 0.0711
## factor(schizo.core)4 - neither core nor correlate          0.0711
##
##                                     zval
## intrcpt                             16.7754
## factor(schizo.core)2 - strong correlate but not core (E-) -2.6194
## factor(schizo.core)3 - weak correlate but not core (C-, A-) -2.1890
## factor(schizo.core)4 - neither core nor correlate          -4.1216
##
##                                     pval
## intrcpt                             <.0001
## factor(schizo.core)2 - strong correlate but not core (E-)  0.0088
## factor(schizo.core)3 - weak correlate but not core (C-, A-) 0.0286
## factor(schizo.core)4 - neither core nor correlate          <.0001
##
##                                     ci.lb
## intrcpt                             0.3014
## factor(schizo.core)2 - strong correlate but not core (E-) -0.2781
## factor(schizo.core)3 - weak correlate but not core (C-, A-) -0.2952
## factor(schizo.core)4 - neither core nor correlate          -0.4327
##
##                                     ci.ub
## intrcpt                             0.3811 ***
## factor(schizo.core)2 - strong correlate but not core (E-) -0.0400 **
## factor(schizo.core)3 - weak correlate but not core (C-, A-) -0.0163 *
## factor(schizo.core)4 - neither core nor correlate          -0.1538 ***

```

```

##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## schizo.neurot <> Neuroticism
res.re.n.schizo.neurot <- rma(es, var, mods = ~ factor(schizo.neurot) -1, data=dat.analysis, subset = (
res.re.n.schizo.neurot

##
## Mixed-Effects Model (k = 111; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0354 (SE = 0.0055)
## tau (square root of estimated tau^2 value):             0.1880
## I^2 (residual heterogeneity / unaccounted variability): 93.65%
## H^2 (unaccounted variability / sampling variability):    15.74
##
## Test for Residual Heterogeneity:
## QE(df = 109) = 1947.5929, p-val < .0001
##
## Test of Moderators (coefficient(s) 1:2):
## QM(df = 2) = 240.1765, p-val < .0001
##
## Model Results:
##
##              estimate      se      zval      pval      ci.lb
## factor(schizo.neurot)1 - schizo  0.2867  0.0196  14.6133 <.0001  0.2482
## factor(schizo.neurot)2 - neurot  0.4987  0.0967   5.1601 <.0001  0.3093
##
##              ci.ub
## factor(schizo.neurot)1 - schizo  0.3251 ***
## factor(schizo.neurot)2 - neurot  0.6882 ***
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## schizo.neurot <> Neuroticism: Reference: schizo
res.re.n.schizo.neurot.r <- rma(es, var, mods = ~ factor(schizo.neurot), data=dat.analysis, subset = (d
res.re.n.schizo.neurot.r

##
## Mixed-Effects Model (k = 111; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0354 (SE = 0.0055)
## tau (square root of estimated tau^2 value):             0.1880
## I^2 (residual heterogeneity / unaccounted variability): 93.65%
## H^2 (unaccounted variability / sampling variability):    15.74
## R^2 (amount of heterogeneity accounted for):            4.06%
##
## Test for Residual Heterogeneity:
## QE(df = 109) = 1947.5929, p-val < .0001
##
## Test of Moderators (coefficient(s) 2):
## QM(df = 1) = 4.6229, p-val = 0.0315
##
## Model Results:
##
##              estimate      se      zval      pval      ci.lb

```

```

## intrcpt                0.2867  0.0196  14.6133  <.0001  0.2482
## factor(schizo.neurot)2 - neurot  0.2120  0.0986   2.1501  0.0315  0.0188
##                               ci.lb  ci.ub
## intrcpt                0.3251  ***
## factor(schizo.neurot)2 - neurot  0.4053   *
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

# Mean corr: PP <> Extraversion #####
res.re.e <- rma(es, var, data=dat.analysis, subset = (dat.analysis$trait == "2 - Extraversion"))
res.re.e

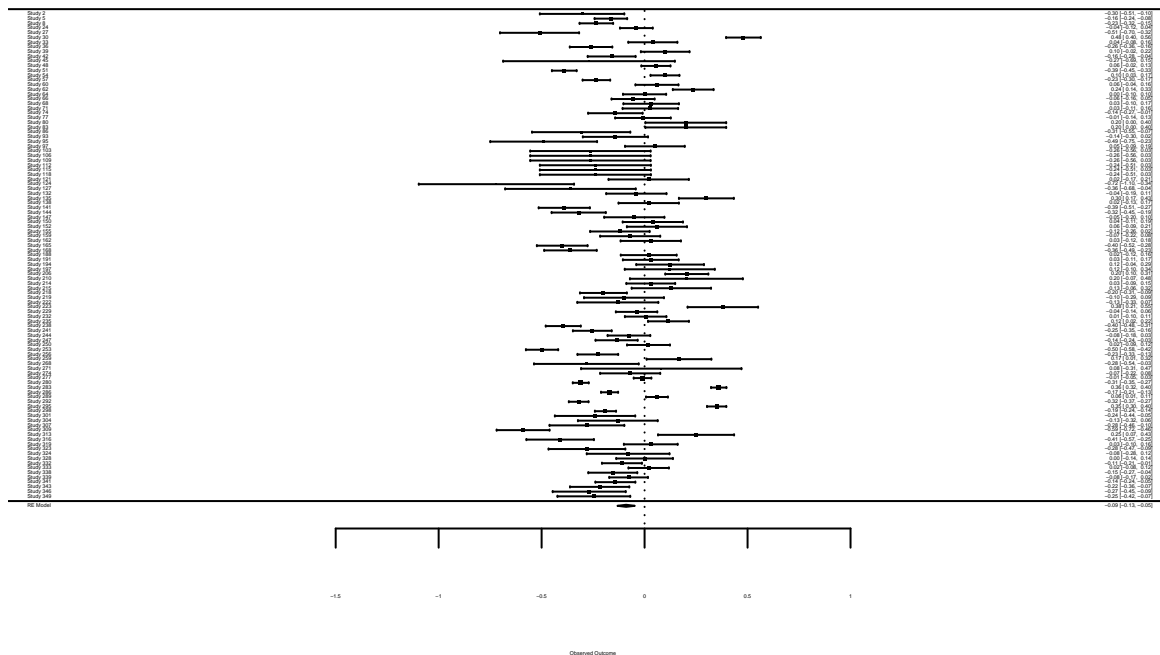
##
## Random-Effects Model (k = 103; tau^2 estimator: REML)
##
## tau^2 (estimated amount of total heterogeneity): 0.0408 (SE = 0.0065)
## tau (square root of estimated tau^2 value):      0.2019
## I^2 (total heterogeneity / total variability):   93.92%
## H^2 (total variability / sampling variability):  16.44
##
## Test for Heterogeneity:
## Q(df = 102) = 2225.0799, p-val < .0001
##
## Model Results:
##
## estimate      se      zval      pval      ci.lb      ci.ub
## -0.0897  0.0214  -4.1927  <.0001  -0.1316  -0.0477  ***
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

predict(res.re.e)

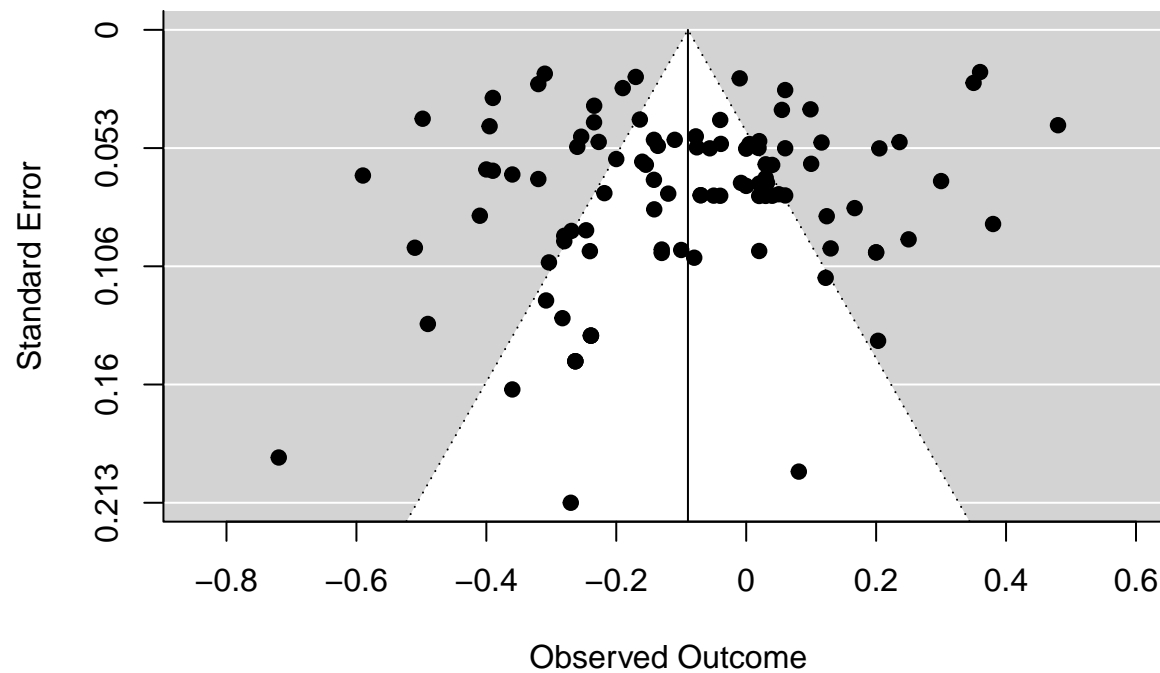
##      pred      se  ci.lb  ci.ub  cr.lb  cr.ub
## -0.0897 0.0214 -0.1316 -0.0477 -0.4877 0.3084

# display forest plot
forest(res.re.e)

```



```
# display funnel plot
funnel(res.re.e)
```



```
# Publication bias assessment: Regression test for funnel plot asymmetry
regtest(res.re.e, model="lm")
```

```
##
## Regression Test for Funnel Plot Asymmetry
##
## model:      weighted regression with multiplicative dispersion
## predictor:  standard error
##
```



```
## test for funnel plot asymmetry: t = -1.0719, df = 101, p = 0.2863
```

```
### Moderators: PP <> Extraversion ###
```

```
## All moderators included simultaneously
```

```
res.re.e.metareg <- rma(es, var, mods = ~ factor(sample.clinical)
+ factor(sample.student)
+ factor(schizo.measure)
+ factor(posneg)
+ factor(es.measure)
+ factor(country.study)
+ factor(language)
+ factor (schizo.core)
+ factor (schizo.neurot)
+ year
+ age.mean.all2, data=dat.analysis, subset = (dat.analysis$trait == "2 - Extraversion"))
```

```
## Warning in rma(es, var, mods = ~factor(sample.clinical) +
## factor(sample.student) + : Studies with NAs omitted from model fitting.
```

```
## Warning in rma(es, var, mods = ~factor(sample.clinical) +
## factor(sample.student) + : Redundant predictors dropped from the model.
```

```
res.re.e.metareg
```

```
##
```

```
## Mixed-Effects Model (k = 80; tau2 estimator: REML)
```

```
##
```

```
## tau2 (estimated amount of residual heterogeneity): 0.0259 (SE = 0.0059)
```

```
## tau (square root of estimated tau2 value): 0.1608
```

```
## I2 (residual heterogeneity / unaccounted variability): 85.43%
```

```
## H2 (unaccounted variability / sampling variability): 6.86
```

```
## R2 (amount of heterogeneity accounted for): 40.05%
```

```
##
```

```
## Test for Residual Heterogeneity:
```

```
## QE(df = 60) = 385.1006, p-val < .0001
```

```
##
```

```
## Test of Moderators (coefficient(s) 2:20):
```

```
## QM(df = 19) = 60.1431, p-val < .0001
```

```
##
```

```
## Model Results:
```

```
##
```

	estimate
## intrcpt	-4.0773
## factor(sample.clinical)2 - clinical	0.1707
## factor(sample.clinical)3 - comparison of clinical and nonclinical	0.1856
## factor(sample.student)2 - nonstudent	0.0444
## factor(sample.student)3 - combined student and nonstudent	0.0652
## factor(schizo.measure)2 - rating by expert	-0.0056
## factor(posneg)2-negative	-0.2067
## factor(posneg)3-nonclassified	-0.3490
## factor(country.study)Australia and NZ	0.4022
## factor(country.study)Continental Europe	0.1362
## factor(country.study)South America	0.2972
## factor(country.study)UK	0.1745
## factor(country.study)USA	0.3102

```

## factor(language)Non-English 0.0853
## factor(schizo.core)2 - strong correlate but not core (E-) -0.1165
## factor(schizo.core)3 - weak correlate but not core (C-, A-) 0.4185
## factor(schizo.core)4 - neither core nor correlate -0.0165
## factor(schizo.neurot)2 - neurot -0.2525
## year 0.0019
## age.mean.all2 -0.0000
## se
## intrcpt 5.4148
## factor(sample.clinical)2 - clinical 0.1387
## factor(sample.clinical)3 - comparison of clinical and nonclinical 0.2089
## factor(sample.student)2 - nonstudent 0.1535
## factor(sample.student)3 - combined student and nonstudent 0.0888
## factor(schizo.measure)2 - rating by expert 0.1093
## factor(posneg)2-negative 0.0885
## factor(posneg)3-nonclassified 0.1797
## factor(country.study)Australia and NZ 0.2656
## factor(country.study)Continental Europe 0.1202
## factor(country.study)South America 0.1777
## factor(country.study)UK 0.2572
## factor(country.study)USA 0.2552
## factor(language)Non-English 0.2425
## factor(schizo.core)2 - strong correlate but not core (E-) 0.1163
## factor(schizo.core)3 - weak correlate but not core (C-, A-) 0.2044
## factor(schizo.core)4 - neither core nor correlate 0.1213
## factor(schizo.neurot)2 - neurot 0.1137
## year 0.0028
## age.mean.all2 0.0094
## zval
## intrcpt -0.7530
## factor(sample.clinical)2 - clinical 1.2307
## factor(sample.clinical)3 - comparison of clinical and nonclinical 0.8884
## factor(sample.student)2 - nonstudent 0.2890
## factor(sample.student)3 - combined student and nonstudent 0.7343
## factor(schizo.measure)2 - rating by expert -0.0514
## factor(posneg)2-negative -2.3346
## factor(posneg)3-nonclassified -1.9416
## factor(country.study)Australia and NZ 1.5143
## factor(country.study)Continental Europe 1.1336
## factor(country.study)South America 1.6726
## factor(country.study)UK 0.6786
## factor(country.study)USA 1.2154
## factor(language)Non-English 0.3516
## factor(schizo.core)2 - strong correlate but not core (E-) -1.0017
## factor(schizo.core)3 - weak correlate but not core (C-, A-) 2.0474
## factor(schizo.core)4 - neither core nor correlate -0.1358
## factor(schizo.neurot)2 - neurot -2.2204
## year 0.6829
## age.mean.all2 -0.0025
## pval
## intrcpt 0.4515
## factor(sample.clinical)2 - clinical 0.2184
## factor(sample.clinical)3 - comparison of clinical and nonclinical 0.3743
## factor(sample.student)2 - nonstudent 0.7726

```

```

## factor(sample.student)3 - combined student and nonstudent      0.4628
## factor(schizo.measure)2 - rating by expert                    0.9590
## factor(posneg)2-negative                                       0.0196
## factor(posneg)3-nonclassified                                  0.0522
## factor(country.study)Australia and NZ                        0.1300
## factor(country.study)Continental Europe                     0.2570
## factor(country.study)South America                          0.0944
## factor(country.study)UK                                     0.4974
## factor(country.study)USA                                    0.2242
## factor(language)Non-English                                 0.7251
## factor(schizo.core)2 - strong correlate but not core (E-)    0.3165
## factor(schizo.core)3 - weak correlate but not core (C-, A-)  0.0406
## factor(schizo.core)4 - neither core nor correlate           0.8920
## factor(schizo.neurot)2 - neurot                             0.0264
## year                                                         0.4947
## age.mean.all2                                              0.9980
##                                                                 ci.lb
## intrcpt                                                    -14.6902
## factor(sample.clinical)2 - clinical                          -0.1012
## factor(sample.clinical)3 - comparison of clinical and nonclinical -0.2238
## factor(sample.student)2 - nonstudent                         -0.2566
## factor(sample.student)3 - combined student and nonstudent  -0.1088
## factor(schizo.measure)2 - rating by expert                  -0.2199
## factor(posneg)2-negative                                     -0.3801
## factor(posneg)3-nonclassified                                -0.7013
## factor(country.study)Australia and NZ                       -0.1184
## factor(country.study)Continental Europe                     -0.0993
## factor(country.study)South America                          -0.0511
## factor(country.study)UK                                     -0.3295
## factor(country.study)USA                                    -0.1900
## factor(language)Non-English                                 -0.3900
## factor(schizo.core)2 - strong correlate but not core (E-)  -0.3443
## factor(schizo.core)3 - weak correlate but not core (C-, A-)  0.0179
## factor(schizo.core)4 - neither core nor correlate           -0.2543
## factor(schizo.neurot)2 - neurot                             -0.4755
## year                                                         -0.0036
## age.mean.all2                                              -0.0185
##                                                                 ci.ub
## intrcpt                                                    6.5356
## factor(sample.clinical)2 - clinical                          0.4426
## factor(sample.clinical)3 - comparison of clinical and nonclinical 0.5950
## factor(sample.student)2 - nonstudent                         0.3453
## factor(sample.student)3 - combined student and nonstudent  0.2392
## factor(schizo.measure)2 - rating by expert                  0.2087
## factor(posneg)2-negative                                     -0.0332
## factor(posneg)3-nonclassified                                0.0033
## factor(country.study)Australia and NZ                       0.9227
## factor(country.study)Continental Europe                     0.3717
## factor(country.study)South America                          0.6454
## factor(country.study)UK                                     0.6786
## factor(country.study)USA                                    0.8104
## factor(language)Non-English                                 0.5605
## factor(schizo.core)2 - strong correlate but not core (E-)  0.1114
## factor(schizo.core)3 - weak correlate but not core (C-, A-)  0.8191

```

```

## factor(schizo.core)4 - neither core nor correlate          0.2213
## factor(schizo.neurot)2 - neurot                          -0.0296
## year                                                       0.0074
## age.mean.all2                                            0.0185
##
## intrcpt
## factor(sample.clinical)2 - clinical
## factor(sample.clinical)3 - comparison of clinical and nonclinical
## factor(sample.student)2 - nonstudent
## factor(sample.student)3 - combined student and nonstudent
## factor(schizo.measure)2 - rating by expert
## factor(posneg)2-negative                                  *
## factor(posneg)3-nonclassified                             .
## factor(country.study)Australia and NZ
## factor(country.study)Continental Europe
## factor(country.study)South America                       .
## factor(country.study)UK
## factor(country.study)USA
## factor(language)Non-English
## factor(schizo.core)2 - strong correlate but not core (E-)
## factor(schizo.core)3 - weak correlate but not core (C-, A-) *
## factor(schizo.core)4 - neither core nor correlate
## factor(schizo.neurot)2 - neurot                          *
## year
## age.mean.all2
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

```

```
## sample.clinical <> Extraversion
```

```
res.re.e.sample.clinical <- rma(es, var, mods = ~ factor(sample.clinical)-1, data=dat.analysis, subset
res.re.e.sample.clinical
```

```

##
## Mixed-Effects Model (k = 103; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0392 (SE = 0.0064)
## tau (square root of estimated tau^2 value):             0.1980
## I^2 (residual heterogeneity / unaccounted variability): 93.70%
## H^2 (unaccounted variability / sampling variability):    15.87
##
## Test for Residual Heterogeneity:
## QE(df = 100) = 2174.5989, p-val < .0001
##
## Test of Moderators (coefficient(s) 1:3):
## QM(df = 3) = 24.1246, p-val < .0001
##
## Model Results:
##
##
## estimate
## factor(sample.clinical)1 - nonclinical                   -0.0781
## factor(sample.clinical)2 - clinical                      0.0157
## factor(sample.clinical)3 - comparison of clinical and nonclinical -0.1961
##
## se
## factor(sample.clinical)1 - nonclinical                   0.0239

```

```

## factor(sample.clinical)2 - clinical 0.0783
## factor(sample.clinical)3 - comparison of clinical and nonclinical 0.0536
## zval
## factor(sample.clinical)1 - nonclinical -3.2689
## factor(sample.clinical)2 - clinical 0.2005
## factor(sample.clinical)3 - comparison of clinical and nonclinical -3.6604
## pval
## factor(sample.clinical)1 - nonclinical 0.0011
## factor(sample.clinical)2 - clinical 0.8411
## factor(sample.clinical)3 - comparison of clinical and nonclinical 0.0003
## ci.lb
## factor(sample.clinical)1 - nonclinical -0.1249
## factor(sample.clinical)2 - clinical -0.1378
## factor(sample.clinical)3 - comparison of clinical and nonclinical -0.3011
## ci.ub
## factor(sample.clinical)1 - nonclinical -0.0313
## factor(sample.clinical)2 - clinical 0.1692
## factor(sample.clinical)3 - comparison of clinical and nonclinical -0.0911
##
## factor(sample.clinical)1 - nonclinical **
## factor(sample.clinical)2 - clinical
## factor(sample.clinical)3 - comparison of clinical and nonclinical ***
##
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## sample.clinical <> Extraversion: Reference: nonclinical
res.re.e.sample.clinical.r <- rma(es, var, mods = ~ factor(sample.clinical), data=dat.analysis, subset
res.re.e.sample.clinical.r

##
## Mixed-Effects Model (k = 103; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity): 0.0392 (SE = 0.0064)
## tau (square root of estimated tau^2 value): 0.1980
## I^2 (residual heterogeneity / unaccounted variability): 93.70%
## H^2 (unaccounted variability / sampling variability): 15.87
## R^2 (amount of heterogeneity accounted for): 3.88%
##
## Test for Residual Heterogeneity:
## QE(df = 100) = 2174.5989, p-val < .0001
##
## Test of Moderators (coefficient(s) 2:3):
## QM(df = 2) = 5.9937, p-val = 0.0499
##
## Model Results:
##
## estimate
## intrcpt -0.0781
## factor(sample.clinical)2 - clinical 0.0938
## factor(sample.clinical)3 - comparison of clinical and nonclinical -0.1180
## se
## intrcpt 0.0239
## factor(sample.clinical)2 - clinical 0.0819
## factor(sample.clinical)3 - comparison of clinical and nonclinical 0.0587

```

```

##                                     zval
## intrcpt                             -3.2689
## factor(sample.clinical)2 - clinical    1.1456
## factor(sample.clinical)3 - comparison of clinical and nonclinical -2.0122
##                                     pval
## intrcpt                             0.0011
## factor(sample.clinical)2 - clinical    0.2520
## factor(sample.clinical)3 - comparison of clinical and nonclinical 0.0442
##                                     ci.lb
## intrcpt                             -0.1249
## factor(sample.clinical)2 - clinical    -0.0667
## factor(sample.clinical)3 - comparison of clinical and nonclinical -0.2330
##                                     ci.ub
## intrcpt                             -0.0313
## factor(sample.clinical)2 - clinical    0.2542
## factor(sample.clinical)3 - comparison of clinical and nonclinical -0.0031
##
## intrcpt                             **
## factor(sample.clinical)2 - clinical
## factor(sample.clinical)3 - comparison of clinical and nonclinical *
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

```

```
## sample.student <> Extraversion
```

```
res.re.e.sample.student <- rma(es, var, mods = ~ factor(sample.student) -1, data=dat.analysis, subset =
res.re.e.sample.student
```

```

##
## Mixed-Effects Model (k = 103; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):    0.0412 (SE = 0.0067)
## tau (square root of estimated tau^2 value):          0.2029
## I^2 (residual heterogeneity / unaccounted variability): 93.90%
## H^2 (unaccounted variability / sampling variability):  16.39
##
## Test for Residual Heterogeneity:
## QE(df = 100) = 2179.3042, p-val < .0001
##
## Test of Moderators (coefficient(s) 1:3):
## QM(df = 3) = 18.4611, p-val = 0.0004
##
## Model Results:
##
##                                     estimate
## factor(sample.student)1 - student    -0.0902
## factor(sample.student)2 - nonstudent  -0.0712
## factor(sample.student)3 - combined student and nonstudent -0.1326
##                                     se      zval
## factor(sample.student)1 - student    0.0338 -2.6709
## factor(sample.student)2 - nonstudent  0.0332 -2.1453
## factor(sample.student)3 - combined student and nonstudent 0.0511 -2.5933
##                                     pval    ci.lb
## factor(sample.student)1 - student    0.0076 -0.1564
## factor(sample.student)2 - nonstudent  0.0319 -0.1362

```

```

## factor(sample.student)3 - combined student and nonstudent  0.0095  -0.2328
##                                                                ci.ub
## factor(sample.student)1 - student                          -0.0240  **
## factor(sample.student)2 - nonstudent                        -0.0061  *
## factor(sample.student)3 - combined student and nonstudent -0.0324  **
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## sample.student <> Extraversion: Reference: student
res.re.e.sample.student.r <- rma(es, var, mods = ~ factor(sample.student), data=dat.analysis, subset =
res.re.e.sample.student.r

##
## Mixed-Effects Model (k = 103; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0412 (SE = 0.0067)
## tau (square root of estimated tau^2 value):             0.2029
## I^2 (residual heterogeneity / unaccounted variability): 93.90%
## H^2 (unaccounted variability / sampling variability):   16.39
## R^2 (amount of heterogeneity accounted for):            0.00%
##
## Test for Residual Heterogeneity:
## QE(df = 100) = 2179.3042, p-val < .0001
##
## Test of Moderators (coefficient(s) 2:3):
## QM(df = 2) = 1.0172, p-val = 0.6013
##
## Model Results:
##
##                                                                estimate
## intrcpt                                                         -0.0902
## factor(sample.student)2 - nonstudent                            0.0190
## factor(sample.student)3 - combined student and nonstudent     -0.0424
##                                                                se      zval
## intrcpt                                                         0.0338  -2.6709
## factor(sample.student)2 - nonstudent                            0.0473   0.4024
## factor(sample.student)3 - combined student and nonstudent     0.0613  -0.6921
##                                                                pval    ci.lb
## intrcpt                                                         0.0076  -0.1564
## factor(sample.student)2 - nonstudent                            0.6874  -0.0737
## factor(sample.student)3 - combined student and nonstudent     0.4889  -0.1625
##                                                                ci.ub
## intrcpt                                                         -0.0240  **
## factor(sample.student)2 - nonstudent                            0.1118
## factor(sample.student)3 - combined student and nonstudent     0.0777
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## schizo.measure <> Extraversion
res.re.e.schizo.measure <- rma(es, var, mods = ~ factor(schizo.measure) -1, data=dat.analysis, subset =
res.re.e.schizo.measure

##
## Mixed-Effects Model (k = 103; tau^2 estimator: REML)

```

```

##
## tau^2 (estimated amount of residual heterogeneity):      0.0409 (SE = 0.0066)
## tau (square root of estimated tau^2 value):             0.2022
## I^2 (residual heterogeneity / unaccounted variability): 93.92%
## H^2 (unaccounted variability / sampling variability):    16.45
##
## Test for Residual Heterogeneity:
## QE(df = 101) = 2208.4275, p-val < .0001
##
## Test of Moderators (coefficient(s) 1:2):
## QM(df = 2) = 18.6501, p-val < .0001
##
## Model Results:
##
##
##              estimate      se      zval
## factor(schizo.measure)1 - self-report      -0.0815  0.0228  -3.5747
## factor(schizo.measure)2 - rating by expert  -0.1516  0.0626  -2.4231
##
##              pval      ci.lb      ci.ub
## factor(schizo.measure)1 - self-report      0.0004  -0.1261  -0.0368  ***
## factor(schizo.measure)2 - rating by expert  0.0154  -0.2742  -0.0290   *
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## schizo.measure <> Extraversion: Reference: self-report
res.re.e.schizo.measure.r <- rma(es, var, mods = ~ factor(schizo.measure), data=dat.analysis, subset = (
res.re.e.schizo.measure.r

##
## Mixed-Effects Model (k = 103; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0409 (SE = 0.0066)
## tau (square root of estimated tau^2 value):             0.2022
## I^2 (residual heterogeneity / unaccounted variability): 93.92%
## H^2 (unaccounted variability / sampling variability):    16.45
## R^2 (amount of heterogeneity accounted for):            0.00%
##
## Test for Residual Heterogeneity:
## QE(df = 101) = 2208.4275, p-val < .0001
##
## Test of Moderators (coefficient(s) 2):
## QM(df = 1) = 1.1098, p-val = 0.2921
##
## Model Results:
##
##
##              estimate      se      zval
## intrcpt          -0.0815  0.0228  -3.5747
## factor(schizo.measure)2 - rating by expert  -0.0701  0.0666  -1.0535
##
##              pval      ci.lb      ci.ub
## intrcpt          0.0004  -0.1261  -0.0368  ***
## factor(schizo.measure)2 - rating by expert  0.2921  -0.2006  0.0604
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

```



```
## posneg <> Extraversion
res.re.e.posneg <- rma(es, var, mods = ~ factor(posneg) -1, data=dat.analysis, subset = (dat.analysis$tr
res.re.e.posneg
```

```
##
## Mixed-Effects Model (k = 103; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0343 (SE = 0.0057)
## tau (square root of estimated tau^2 value):             0.1851
## I^2 (residual heterogeneity / unaccounted variability): 92.57%
## H^2 (unaccounted variability / sampling variability):    13.46
##
## Test for Residual Heterogeneity:
## QE(df = 100) = 1366.0730, p-val < .0001
##
## Test of Moderators (coefficient(s) 1:3):
## QM(df = 3) = 36.5570, p-val < .0001
##
## Model Results:
##
##              estimate      se      zval      pval      ci.lb
## factor(posneg)1-positive   -0.0190  0.0277  -0.6855  0.4930  -0.0734
## factor(posneg)2-negative   -0.2116  0.0389  -5.4353 <.0001  -0.2879
## factor(posneg)3-nonclassified -0.1059  0.0414  -2.5583  0.0105  -0.1869
##              ci.ub
## factor(posneg)1-positive    0.0353
## factor(posneg)2-negative   -0.1353 ***
## factor(posneg)3-nonclassified -0.0248 *
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
## posneg <> Extraversion: Reference: positive
res.re.e.posneg.r <- rma(es, var, mods = ~ factor(posneg), data=dat.analysis, subset = (dat.analysis$tr
res.re.e.posneg.r
```

```
##
## Mixed-Effects Model (k = 103; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0343 (SE = 0.0057)
## tau (square root of estimated tau^2 value):             0.1851
## I^2 (residual heterogeneity / unaccounted variability): 92.57%
## H^2 (unaccounted variability / sampling variability):    13.46
## R^2 (amount of heterogeneity accounted for):             15.94%
##
## Test for Residual Heterogeneity:
## QE(df = 100) = 1366.0730, p-val < .0001
##
## Test of Moderators (coefficient(s) 2:3):
## QM(df = 2) = 16.4514, p-val = 0.0003
##
## Model Results:
##
##              estimate      se      zval      pval      ci.lb
## intrcpt          -0.0190  0.0277  -0.6855  0.4930  -0.0734
```

```

## factor(posneg)2-negative      -0.1926  0.0478  -4.0291  <.0001  -0.2862
## factor(posneg)3-nonclassified -0.0868  0.0498  -1.7435  0.0812  -0.1845
##                               ci.ub
## intrcpt                       0.0353
## factor(posneg)2-negative      -0.0989  ***
## factor(posneg)3-nonclassified  0.0108   .
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## es.measure <> Extraversion
res.re.e.es.measure <- rma(es, var, mods = ~ factor(es.measure) -1, data=dat.analysis, subset = (dat.analysis$es.measure == "Extraversion"))
res.re.e.es.measure

##
## Mixed-Effects Model (k = 103; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0389 (SE = 0.0063)
## tau (square root of estimated tau^2 value):             0.1972
## I^2 (residual heterogeneity / unaccounted variability): 93.63%
## H^2 (unaccounted variability / sampling variability):    15.70
##
## Test for Residual Heterogeneity:
## QE(df = 101) = 2175.2239, p-val < .0001
##
## Test of Moderators (coefficient(s) 1:2):
## QM(df = 2) = 24.5492, p-val < .0001
##
## Model Results:
##
##              estimate      se      zval      pval
## factor(es.measure)1 - correlation  -0.0677  0.0227  -2.9854  0.0028
## factor(es.measure)2 - Cohen's d    -0.2165  0.0548  -3.9543  <.0001
##              ci.lb      ci.ub
## factor(es.measure)1 - correlation  -0.1121 -0.0232  **
## factor(es.measure)2 - Cohen's d    -0.3239 -0.1092  ***
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## es.measure <> Extraversion: Reference: correlation
res.re.e.es.measure.r <- rma(es, var, mods = ~ factor(es.measure), data=dat.analysis, subset = (dat.analysis$es.measure == "Extraversion"))
res.re.e.es.measure.r

##
## Mixed-Effects Model (k = 103; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0389 (SE = 0.0063)
## tau (square root of estimated tau^2 value):             0.1972
## I^2 (residual heterogeneity / unaccounted variability): 93.63%
## H^2 (unaccounted variability / sampling variability):    15.70
## R^2 (amount of heterogeneity accounted for):            4.62%
##
## Test for Residual Heterogeneity:
## QE(df = 101) = 2175.2239, p-val < .0001
##

```

```

## Test of Moderators (coefficient(s) 2):
## QM(df = 1) = 6.3088, p-val = 0.0120
##
## Model Results:
##
##              estimate      se      zval      pval
## intrcpt          -0.0677  0.0227  -2.9854  0.0028
## factor(es.measure)2 - Cohen's d  -0.1489  0.0593  -2.5117  0.0120
##              ci.lb      ci.ub
## intrcpt          -0.1121  -0.0232  **
## factor(es.measure)2 - Cohen's d  -0.2650  -0.0327  *
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## country.study <> Extraversion
res.re.e.country.study <- rma(es, var, mods = ~ factor(country.study) -1, data=dat.analysis, subset = (
res.re.e.country.study

##
## Mixed-Effects Model (k = 103; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0371 (SE = 0.0062)
## tau (square root of estimated tau^2 value):              0.1926
## I^2 (residual heterogeneity / unaccounted variability): 93.21%
## H^2 (unaccounted variability / sampling variability):    14.73
##
## Test for Residual Heterogeneity:
## QE(df = 96) = 1983.6243, p-val < .0001
##
## Test of Moderators (coefficient(s) 1:7):
## QM(df = 7) = 34.4241, p-val < .0001
##
## Model Results:
##
##              estimate      se      zval      pval
## factor(country.study)Asia          -0.2752  0.1196  -2.3008  0.0214
## factor(country.study)Australia and NZ    0.0081  0.0575   0.1406  0.8881
## factor(country.study)Continental Europe -0.1403  0.0392  -3.5759  0.0003
## factor(country.study)Israel            0.2030  0.2380   0.8529  0.3937
## factor(country.study)South America      0.0129  0.0671   0.1916  0.8480
## factor(country.study)UK                -0.1335  0.0340  -3.9309 <.0001
## factor(country.study)USA                0.0208  0.0635   0.3269  0.7437
##              ci.lb      ci.ub
## factor(country.study)Asia          -0.5096  -0.0408  *
## factor(country.study)Australia and NZ -0.1046   0.1208
## factor(country.study)Continental Europe -0.2172  -0.0634  ***
## factor(country.study)Israel          -0.2635   0.6695
## factor(country.study)South America   -0.1187   0.1444
## factor(country.study)UK              -0.2001  -0.0670  ***
## factor(country.study)USA            -0.1037   0.1452
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

```

```
## country.study <> Extraversion: Reference: Asia
res.re.e.country.study.r <- rma(es, var, mods = ~ factor(country.study), data=dat.analysis, subset = (dat.analysis$country.study == "Asia"))
res.re.e.country.study.r
```

```
##
## Mixed-Effects Model (k = 103; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0371 (SE = 0.0062)
## tau (square root of estimated tau^2 value):             0.1926
## I^2 (residual heterogeneity / unaccounted variability): 93.21%
## H^2 (unaccounted variability / sampling variability):   14.73
## R^2 (amount of heterogeneity accounted for):            9.06%
##
## Test for Residual Heterogeneity:
## QE(df = 96) = 1983.6243, p-val < .0001
##
## Test of Moderators (coefficient(s) 2:7):
## QM(df = 6) = 15.4979, p-val = 0.0167
##
## Model Results:
##
##              estimate      se      zval      pval
## intrcpt          -0.2752  0.1196  -2.3008  0.0214
## factor(country.study)Australia and NZ      0.2833  0.1327   2.1346  0.0328
## factor(country.study)Continental Europe    0.1349  0.1259   1.0717  0.2839
## factor(country.study)Israel                0.4782  0.2664   1.7952  0.0726
## factor(country.study)South America         0.2880  0.1371   2.1002  0.0357
## factor(country.study)UK                   0.1416  0.1243   1.1393  0.2546
## factor(country.study)USA                   0.2959  0.1354   2.1854  0.0289
##              ci.lb      ci.ub
## intrcpt          -0.5096 -0.0408 *
## factor(country.study)Australia and NZ      0.0232  0.5433 *
## factor(country.study)Continental Europe    -0.1118  0.3816
## factor(country.study)Israel                -0.0439  1.0002 .
## factor(country.study)South America         0.0192  0.5568 *
## factor(country.study)UK                   -0.1020  0.3853
## factor(country.study)USA                   0.0305  0.5613 *
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
## language <> Extraversion
res.re.e.language <- rma(es, var, mods = ~ factor(language) -1, data=dat.analysis, subset = (dat.analysis$language == "English"))
res.re.e.language
```

```
##
## Mixed-Effects Model (k = 103; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0412 (SE = 0.0066)
## tau (square root of estimated tau^2 value):             0.2029
## I^2 (residual heterogeneity / unaccounted variability): 93.90%
## H^2 (unaccounted variability / sampling variability):   16.40
##
## Test for Residual Heterogeneity:
## QE(df = 101) = 2177.7523, p-val < .0001
```

```

##
## Test of Moderators (coefficient(s) 1:2):
## QM(df = 2) = 17.6425, p-val = 0.0001
##
## Model Results:
##
##               estimate      se      zval      pval      ci.lb
## factor(language)English    -0.0818  0.0280  -2.9162  0.0035  -0.1367
## factor(language)Non-English -0.1009  0.0334  -3.0230  0.0025  -0.1664
##               ci.ub
## factor(language)English    -0.0268  **
## factor(language)Non-English -0.0355  **
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## language <> Extraversion: Reference: English
res.re.e.language.r <- rma(es, var, mods = ~ factor(language), data=dat.analysis, subset = (dat.analysis
res.re.e.language.r

##
## Mixed-Effects Model (k = 103; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0412 (SE = 0.0066)
## tau (square root of estimated tau^2 value):              0.2029
## I^2 (residual heterogeneity / unaccounted variability): 93.90%
## H^2 (unaccounted variability / sampling variability):    16.40
## R^2 (amount of heterogeneity accounted for):             0.00%
##
## Test for Residual Heterogeneity:
## QE(df = 101) = 2177.7523, p-val < .0001
##
## Test of Moderators (coefficient(s) 2):
## QM(df = 1) = 0.1928, p-val = 0.6606
##
## Model Results:
##
##               estimate      se      zval      pval      ci.lb
## intrcpt          -0.0818  0.0280  -2.9162  0.0035  -0.1367
## factor(language)Non-English -0.0191  0.0436  -0.4391  0.6606  -0.1046
##               ci.ub
## intrcpt          -0.0268  **
## factor(language)Non-English  0.0663
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## year <> Extraversion
res.re.e.year <- rma(es, var, mods = ~ year, data=dat.analysis, subset = (dat.analysis$trait == "2 - Ex
res.re.e.year

##
## Mixed-Effects Model (k = 103; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0391 (SE = 0.0063)
## tau (square root of estimated tau^2 value):              0.1976

```

```

## I^2 (residual heterogeneity / unaccounted variability): 93.65%
## H^2 (unaccounted variability / sampling variability): 15.74
## R^2 (amount of heterogeneity accounted for): 4.21%
##
## Test for Residual Heterogeneity:
## QE(df = 101) = 2174.5922, p-val < .0001
##
## Test of Moderators (coefficient(s) 2):
## QM(df = 1) = 5.6226, p-val = 0.0177
##
## Model Results:
##
##          estimate      se      zval      pval      ci.lb      ci.ub
## intrcpt    -8.3956  3.5030  -2.3967  0.0165  -15.2612  -1.5299 *
## year         0.0042  0.0018   2.3712  0.0177   0.0007   0.0076 *
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## age.mean.all2 <> Extraversion
res.re.e.age.mean.all2 <- rma(es, var, mods = ~ age.mean.all2, data=dat.analysis, subset = (dat.analysis$
## Warning in rma(es, var, mods = ~age.mean.all2, data = dat.analysis, subset
## = (dat.analysis$trait == : Studies with NAs omitted from model fitting.
res.re.e.age.mean.all2

##
## Mixed-Effects Model (k = 80; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity): 0.0438 (SE = 0.0081)
## tau (square root of estimated tau^2 value): 0.2092
## I^2 (residual heterogeneity / unaccounted variability): 91.79%
## H^2 (unaccounted variability / sampling variability): 12.18
## R^2 (amount of heterogeneity accounted for): 0.00%
##
## Test for Residual Heterogeneity:
## QE(df = 78) = 1012.6830, p-val < .0001
##
## Test of Moderators (coefficient(s) 2):
## QM(df = 1) = 0.0000, p-val = 0.9996
##
## Model Results:
##
##          estimate      se      zval      pval      ci.lb      ci.ub
## intrcpt    -0.1084  0.1069  -1.0140  0.3106  -0.3178  0.1011
## age.mean.all2  0.0000  0.0039   0.0005  0.9996  -0.0077  0.0077
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## schizo.core <> Extraversion
res.re.e.schizo.core <- rma(es, var, mods = ~ factor(schizo.core) -1, data=dat.analysis, subset = (dat.
res.re.e.schizo.core

##
## Mixed-Effects Model (k = 103; tau^2 estimator: REML)

```

```

##
## tau^2 (estimated amount of residual heterogeneity):      0.0310 (SE = 0.0052)
## tau (square root of estimated tau^2 value):             0.1760
## I^2 (residual heterogeneity / unaccounted variability): 91.46%
## H^2 (unaccounted variability / sampling variability):   11.71
##
## Test for Residual Heterogeneity:
## QE(df = 99) = 921.0466, p-val < .0001
##
## Test of Moderators (coefficient(s) 1:4):
## QM(df = 4) = 48.7711, p-val < .0001
##
## Model Results:
##
##
##                                     estimate
## factor(schizo.core)1 - core schizotypy content      -0.0735
## factor(schizo.core)2 - strong correlate but not core (E-) -0.2950
## factor(schizo.core)3 - weak correlate but not core (C-, A-)  0.1494
## factor(schizo.core)4 - neither core nor correlate      -0.2251
##
##                                     se
## factor(schizo.core)1 - core schizotypy content      0.0217
## factor(schizo.core)2 - strong correlate but not core (E-) 0.0608
## factor(schizo.core)3 - weak correlate but not core (C-, A-) 0.0696
## factor(schizo.core)4 - neither core nor correlate      0.0744
##
##                                     zval
## factor(schizo.core)1 - core schizotypy content      -3.3828
## factor(schizo.core)2 - strong correlate but not core (E-) -4.8549
## factor(schizo.core)3 - weak correlate but not core (C-, A-)  2.1453
## factor(schizo.core)4 - neither core nor correlate      -3.0258
##
##                                     pval
## factor(schizo.core)1 - core schizotypy content      0.0007
## factor(schizo.core)2 - strong correlate but not core (E-) <.0001
## factor(schizo.core)3 - weak correlate but not core (C-, A-) 0.0319
## factor(schizo.core)4 - neither core nor correlate      0.0025
##
##                                     ci.lb
## factor(schizo.core)1 - core schizotypy content      -0.1161
## factor(schizo.core)2 - strong correlate but not core (E-) -0.4141
## factor(schizo.core)3 - weak correlate but not core (C-, A-)  0.0129
## factor(schizo.core)4 - neither core nor correlate      -0.3710
##
##                                     ci.ub
## factor(schizo.core)1 - core schizotypy content      -0.0309 ***
## factor(schizo.core)2 - strong correlate but not core (E-) -0.1759 ***
## factor(schizo.core)3 - weak correlate but not core (C-, A-)  0.2859  *
## factor(schizo.core)4 - neither core nor correlate      -0.0793  **
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## schizo.core <> Extraversion: Reference: core schizotypy content
res.re.e.schizo.core.r <- rma(es, var, mods = ~ factor(schizo.core), data=dat.analysis, subset = (dat.a
res.re.e.schizo.core.r

##
## Mixed-Effects Model (k = 103; tau^2 estimator: REML)
##

```

```
## tau^2 (estimated amount of residual heterogeneity):      0.0310 (SE = 0.0052)
## tau (square root of estimated tau^2 value):             0.1760
## I^2 (residual heterogeneity / unaccounted variability): 91.46%
## H^2 (unaccounted variability / sampling variability):   11.71
## R^2 (amount of heterogeneity accounted for):           24.02%
```

```
##
## Test for Residual Heterogeneity:
## QE(df = 99) = 921.0466, p-val < .0001
##
## Test of Moderators (coefficient(s) 2:4):
## QM(df = 3) = 27.0695, p-val < .0001
##
```

```
## Model Results:
```

	estimate	se	zval	pval	ci.lb	ci.ub
## intrcpt	-0.0735	0.0217	-3.3828	0.0007	-0.1161	-0.0309 ***
## factor(schizo.core)2 - strong correlate but not core (E-)	-0.2215	0.0645	-3.4324	0.0006	-0.3480	-0.0950 ***
## factor(schizo.core)3 - weak correlate but not core (C-, A-)	0.2229	0.0729	3.0557	0.0022	0.0799	0.3659 **
## factor(schizo.core)4 - neither core nor correlate	-0.1516	0.0775	-1.9561	0.0505	-0.3036	0.0003 .

```
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
## schizo.neurot <> Extraversion
```

```
res.re.e.schizo.neurot <- rma(es, var, mods = ~ factor(schizo.neurot) -1, data=dat.analysis, subset = (
res.re.e.schizo.neurot
```

```
##
## Mixed-Effects Model (k = 103; tau^2 estimator: REML)
##
```



```

## tau^2 (estimated amount of residual heterogeneity):      0.0409 (SE = 0.0066)
## tau (square root of estimated tau^2 value):            0.2023
## I^2 (residual heterogeneity / unaccounted variability): 93.90%
## H^2 (unaccounted variability / sampling variability):   16.39
##
## Test for Residual Heterogeneity:
## QE(df = 101) = 2203.5374, p-val < .0001
##
## Test of Moderators (coefficient(s) 1:2):
## QM(df = 2) = 18.1975, p-val = 0.0001
##
## Model Results:
##
##              estimate      se      zval      pval
## factor(schizo.neurot)1 - schizo  -0.0861  0.0219  -3.9351  <.0001
## factor(schizo.neurot)2 - neurot  -0.1742  0.1058  -1.6471  0.0995
##              ci.lb      ci.ub
## factor(schizo.neurot)1 - schizo  -0.1289  -0.0432  ***
## factor(schizo.neurot)2 - neurot  -0.3815   0.0331   .
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## schizo.neurot <> Extraversion: Reference: schizo
res.re.e.schizo.neurot.r <- rma(es, var, mods = ~ factor(schizo.neurot), data=dat.analysis, subset = (d
res.re.e.schizo.neurot.r

##
## Mixed-Effects Model (k = 103; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0409 (SE = 0.0066)
## tau (square root of estimated tau^2 value):            0.2023
## I^2 (residual heterogeneity / unaccounted variability): 93.90%
## H^2 (unaccounted variability / sampling variability):   16.39
## R^2 (amount of heterogeneity accounted for):           0.00%
##
## Test for Residual Heterogeneity:
## QE(df = 101) = 2203.5374, p-val < .0001
##
## Test of Moderators (coefficient(s) 2):
## QM(df = 1) = 0.6662, p-val = 0.4144
##
## Model Results:
##
##              estimate      se      zval      pval
## intrcpt              -0.0861  0.0219  -3.9351  <.0001
## factor(schizo.neurot)2 - neurot  -0.0882  0.1080  -0.8162  0.4144
##              ci.lb      ci.ub
## intrcpt              -0.1289  -0.0432  ***
## factor(schizo.neurot)2 - neurot  -0.2999   0.1235
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

```

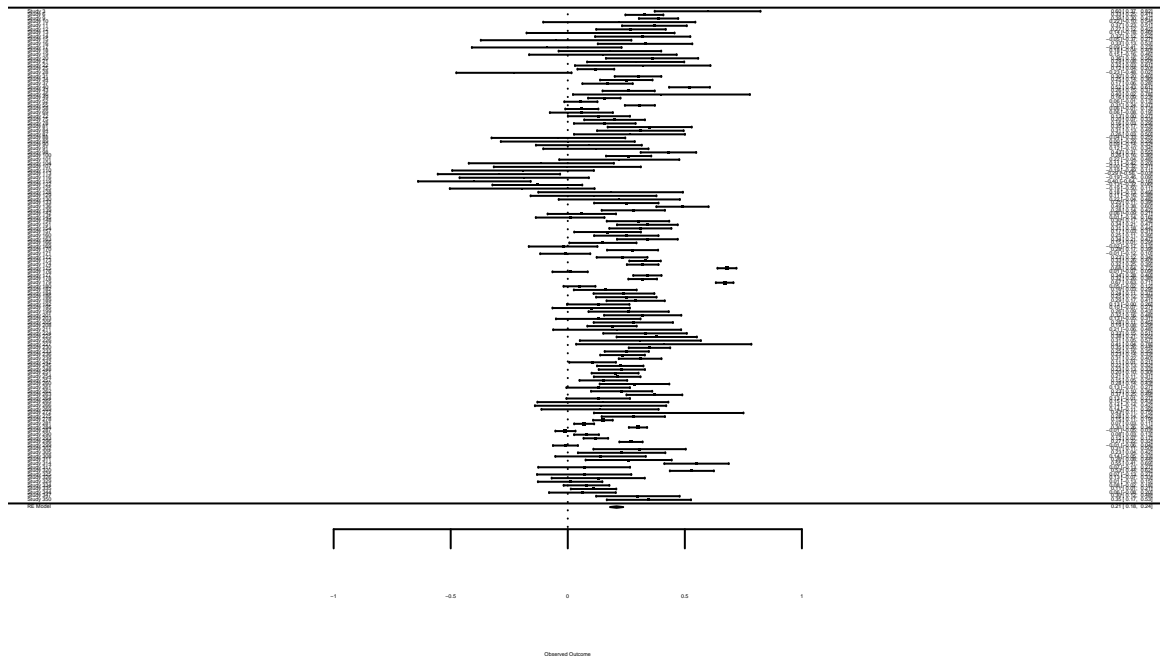
```
# Mean corr: PP <> Psychoticism ####
res.re.p <- rma(es, var, data=dat.analysis, subset = (dat.analysis$trait == "3 - Psychoticism"))
res.re.p
```

```
##
## Random-Effects Model (k = 136; tau^2 estimator: REML)
##
## tau^2 (estimated amount of total heterogeneity): 0.0217 (SE = 0.0034)
## tau (square root of estimated tau^2 value): 0.1474
## I^2 (total heterogeneity / total variability): 88.85%
## H^2 (total variability / sampling variability): 8.97
##
## Test for Heterogeneity:
## Q(df = 135) = 1934.7584, p-val < .0001
##
## Model Results:
##
## estimate se zval pval ci.lb ci.ub
## 0.2084 0.0145 14.4033 <.0001 0.1801 0.2368 ***
##
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

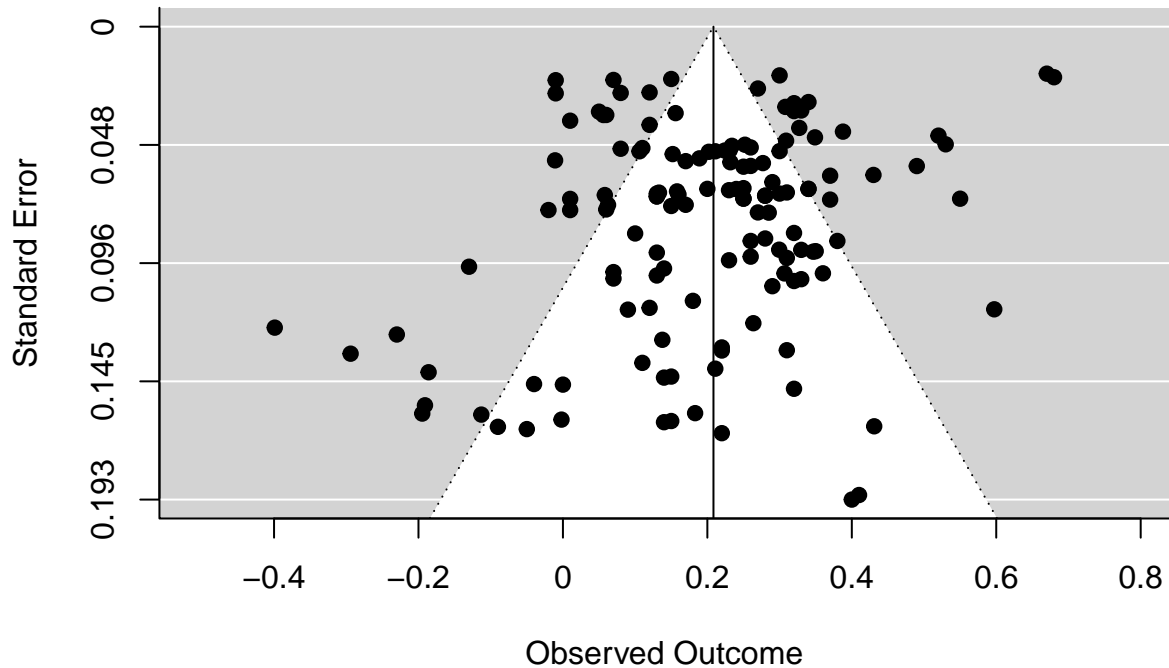
```
predict(res.re.p)
```

```
## pred se ci.lb ci.ub cr.lb cr.ub
## 0.2084 0.0145 0.1801 0.2368 -0.0818 0.4987
```

```
# display forest plot
forest(res.re.p)
```



```
# display funnel plot
funnel(res.re.p)
```



```
# Publication bias assessment: Regression test for funnel plot asymmetry
regtest(res.re.p, model="lm")
```

```
##
## Regression Test for Funnel Plot Asymmetry
##
## model:      weighted regression with multiplicative dispersion
## predictor:  standard error
##
## test for funnel plot asymmetry: t = -2.1416, df = 134, p = 0.0340
```

```
# Moderators: PP <> Psychoticism #####
```

```
## All moderators included simultaneously
```

```
res.re.p.metareg <- rma(es, var, mods = ~ factor(sample.clinical)
+ factor(sample.student)
+ factor(schizo.measure)
+ factor(posneg)
+ factor(es.measure)
+ factor(country.study)
+ factor(language)
+ factor(schizo.core)
+ factor(schizo.neurot)
+ year
+ age.mean.all2, data=dat.analysis, subset = (dat.analysis$trait == "3 - Psycho
```

```
## Warning in rma(es, var, mods = ~factor(sample.clinical) +
## factor(sample.student) + : Studies with NAs omitted from model fitting.
```

```
## Warning in rma(es, var, mods = ~factor(sample.clinical) +
## factor(sample.student) + : Redundant predictors dropped from the model.
```

```
res.re.p.metareg
```

```
##
```



```

## factor(schizo.core)2 - strong correlate but not core (E-)      0.0844
## factor(schizo.core)3 - weak correlate but not core (C-, A-)   0.1669
## factor(schizo.core)4 - neither core nor correlate             0.0922
## factor(schizo.neurot)2 - neurot                               0.0924
## year                                                           0.0019
## age.mean.all2                                                0.0052
##                                                                zval
## intrcpt                                                       -0.2213
## factor(sample.clinical)2 - clinical                           0.5347
## factor(sample.clinical)3 - comparison of clinical and nonclinical 1.0193
## factor(sample.student)2 - nonstudent                          0.7260
## factor(sample.student)3 - combined student and nonstudent    2.3880
## factor(schizo.measure)2 - rating by expert                    -0.1724
## factor(posneg)2-negative                                      -1.6077
## factor(posneg)3-nonclassified                                 -1.1989
## factor(country.study)Australia and NZ                         -0.1778
## factor(country.study)Continental Europe                       -1.0463
## factor(country.study)Israel                                  0.2343
## factor(country.study)South America                           -0.9813
## factor(country.study)UK                                       -1.4412
## factor(country.study)USA                                      -0.5498
## factor(language)Non-English                                  -0.1358
## factor(schizo.core)2 - strong correlate but not core (E-)    1.7516
## factor(schizo.core)3 - weak correlate but not core (C-, A-)  2.6085
## factor(schizo.core)4 - neither core nor correlate            0.7509
## factor(schizo.neurot)2 - neurot                              -0.8089
## year                                                           0.2657
## age.mean.all2                                                1.0193
##                                                                pval
## intrcpt                                                       0.8248
## factor(sample.clinical)2 - clinical                           0.5929
## factor(sample.clinical)3 - comparison of clinical and nonclinical 0.3081
## factor(sample.student)2 - nonstudent                          0.4678
## factor(sample.student)3 - combined student and nonstudent    0.0169
## factor(schizo.measure)2 - rating by expert                    0.8631
## factor(posneg)2-negative                                      0.1079
## factor(posneg)3-nonclassified                                 0.2306
## factor(country.study)Australia and NZ                         0.8589
## factor(country.study)Continental Europe                       0.2954
## factor(country.study)Israel                                  0.8147
## factor(country.study)South America                           0.3264
## factor(country.study)UK                                       0.1495
## factor(country.study)USA                                      0.5825
## factor(language)Non-English                                  0.8920
## factor(schizo.core)2 - strong correlate but not core (E-)    0.0799
## factor(schizo.core)3 - weak correlate but not core (C-, A-)  0.0091
## factor(schizo.core)4 - neither core nor correlate            0.4527
## factor(schizo.neurot)2 - neurot                              0.4186
## year                                                           0.7905
## age.mean.all2                                                0.3080
##                                                                ci.lb
## intrcpt                                                       -8.3842
## factor(sample.clinical)2 - clinical                           -0.1539
## factor(sample.clinical)3 - comparison of clinical and nonclinical -0.1590

```

```

## factor(sample.student)2 - nonstudent -0.0873
## factor(sample.student)3 - combined student and nonstudent 0.0240
## factor(schizo.measure)2 - rating by expert -0.1823
## factor(posneg)2-negative -0.2466
## factor(posneg)3-nonclassified -0.4684
## factor(country.study)Australia and NZ -0.3411
## factor(country.study)Continental Europe -0.3624
## factor(country.study)Israel -0.3516
## factor(country.study)South America -0.5380
## factor(country.study)UK -0.4970
## factor(country.study)USA -0.3534
## factor(language)Non-English -0.1701
## factor(schizo.core)2 - strong correlate but not core (E-) -0.0176
## factor(schizo.core)3 - weak correlate but not core (C-, A-) 0.1083
## factor(schizo.core)4 - neither core nor correlate -0.1115
## factor(schizo.neurot)2 - neurot -0.2559
## year -0.0033
## age.mean.all2 -0.0049
## ci.ub
## intrcpt 6.6828
## factor(sample.clinical)2 - clinical 0.2693
## factor(sample.clinical)3 - comparison of clinical and nonclinical 0.5035
## factor(sample.student)2 - nonstudent 0.1900
## factor(sample.student)3 - combined student and nonstudent 0.2441
## factor(schizo.measure)2 - rating by expert 0.1528
## factor(posneg)2-negative 0.0243
## factor(posneg)3-nonclassified 0.1128
## factor(country.study)Australia and NZ 0.2844
## factor(country.study)Continental Europe 0.1101
## factor(country.study)Israel 0.4471
## factor(country.study)South America 0.1790
## factor(country.study)UK 0.0758
## factor(country.study)USA 0.1986
## factor(language)Non-English 0.1481
## factor(schizo.core)2 - strong correlate but not core (E-) 0.3132
## factor(schizo.core)3 - weak correlate but not core (C-, A-) 0.7626
## factor(schizo.core)4 - neither core nor correlate 0.2499
## factor(schizo.neurot)2 - neurot 0.1064
## year 0.0043
## age.mean.all2 0.0155
##
## intrcpt
## factor(sample.clinical)2 - clinical
## factor(sample.clinical)3 - comparison of clinical and nonclinical
## factor(sample.student)2 - nonstudent
## factor(sample.student)3 - combined student and nonstudent *
## factor(schizo.measure)2 - rating by expert
## factor(posneg)2-negative
## factor(posneg)3-nonclassified
## factor(country.study)Australia and NZ
## factor(country.study)Continental Europe
## factor(country.study)Israel
## factor(country.study)South America
## factor(country.study)UK

```

```

## factor(country.study)USA
## factor(language)Non-English
## factor(schizo.core)2 - strong correlate but not core (E-)      .
## factor(schizo.core)3 - weak correlate but not core (C-, A-)    **
## factor(schizo.core)4 - neither core nor correlate
## factor(schizo.neurot)2 - neurot
## year
## age.mean.all2
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## sample.clinical <> Psychoticism
res.re.p.sample.clinical <- rma(es, var, mods = ~ factor(sample.clinical)-1, data=dat.analysis, subset
res.re.p.sample.clinical

##
## Mixed-Effects Model (k = 136; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0215 (SE = 0.0034)
## tau (square root of estimated tau^2 value):             0.1467
## I^2 (residual heterogeneity / unaccounted variability): 88.80%
## H^2 (unaccounted variability / sampling variability):    8.93
##
## Test for Residual Heterogeneity:
## QE(df = 133) = 1923.5924, p-val < .0001
##
## Test of Moderators (coefficient(s) 1:3):
## QM(df = 3) = 212.5994, p-val < .0001
##
## Model Results:
##
##                                     estimate
## factor(sample.clinical)1 - nonclinical      0.2002
## factor(sample.clinical)2 - clinical         0.3403
## factor(sample.clinical)3 - comparison of clinical and nonclinical 0.2616
##                                     se
## factor(sample.clinical)1 - nonclinical      0.0152
## factor(sample.clinical)2 - clinical         0.0907
## factor(sample.clinical)3 - comparison of clinical and nonclinical 0.0518
##                                     zval
## factor(sample.clinical)1 - nonclinical      13.1543
## factor(sample.clinical)2 - clinical         3.7534
## factor(sample.clinical)3 - comparison of clinical and nonclinical 5.0473
##                                     pval
## factor(sample.clinical)1 - nonclinical      <.0001
## factor(sample.clinical)2 - clinical         0.0002
## factor(sample.clinical)3 - comparison of clinical and nonclinical <.0001
##                                     ci.lb
## factor(sample.clinical)1 - nonclinical      0.1704
## factor(sample.clinical)2 - clinical         0.1626
## factor(sample.clinical)3 - comparison of clinical and nonclinical 0.1600
##                                     ci.ub
## factor(sample.clinical)1 - nonclinical      0.2300
## factor(sample.clinical)2 - clinical         0.5181

```

```

## factor(sample.clinical)3 - comparison of clinical and nonclinical 0.3632
##
## factor(sample.clinical)1 - nonclinical ***
## factor(sample.clinical)2 - clinical ***
## factor(sample.clinical)3 - comparison of clinical and nonclinical ***
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
## sample.clinical <> Psychoticism: Reference: nonclinical
res.re.p.sample.clinical.r <- rma(es, var, mods = ~ factor(sample.clinical), data=dat.analysis, subset
res.re.p.sample.clinical.r

##
## Mixed-Effects Model (k = 136; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity): 0.0215 (SE = 0.0034)
## tau (square root of estimated tau^2 value): 0.1467
## I^2 (residual heterogeneity / unaccounted variability): 88.80%
## H^2 (unaccounted variability / sampling variability): 8.93
## R^2 (amount of heterogeneity accounted for): 0.94%
##
## Test for Residual Heterogeneity:
## QE(df = 133) = 1923.5924, p-val < .0001
##
## Test of Moderators (coefficient(s) 2:3):
## QM(df = 2) = 3.4604, p-val = 0.1772
##
## Model Results:
##
##
## estimate
## intrcpt 0.2002
## factor(sample.clinical)2 - clinical 0.1401
## factor(sample.clinical)3 - comparison of clinical and nonclinical 0.0614
## se
## intrcpt 0.0152
## factor(sample.clinical)2 - clinical 0.0919
## factor(sample.clinical)3 - comparison of clinical and nonclinical 0.0540
## zval
## intrcpt 13.1543
## factor(sample.clinical)2 - clinical 1.5242
## factor(sample.clinical)3 - comparison of clinical and nonclinical 1.1363
## pval
## intrcpt <.0001
## factor(sample.clinical)2 - clinical 0.1275
## factor(sample.clinical)3 - comparison of clinical and nonclinical 0.2558
## ci.lb
## intrcpt 0.1704
## factor(sample.clinical)2 - clinical -0.0401
## factor(sample.clinical)3 - comparison of clinical and nonclinical -0.0445
## ci.ub
## intrcpt 0.2300
## factor(sample.clinical)2 - clinical 0.3204
## factor(sample.clinical)3 - comparison of clinical and nonclinical 0.1672
##

```



```

## intrcpt ***
## factor(sample.clinical)2 - clinical
## factor(sample.clinical)3 - comparison of clinical and nonclinical
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## sample.student <> Psychoticism
res.re.p.sample.student <- rma(es, var, mods = ~ factor(sample.student) -1, data=dat.analysis, subset =
res.re.p.sample.student

##
## Mixed-Effects Model (k = 136; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0222 (SE = 0.0035)
## tau (square root of estimated tau^2 value):             0.1488
## I^2 (residual heterogeneity / unaccounted variability): 88.90%
## H^2 (unaccounted variability / sampling variability):    9.01
##
## Test for Residual Heterogeneity:
## QE(df = 133) = 1733.2154, p-val < .0001
##
## Test of Moderators (coefficient(s) 1:3):
## QM(df = 3) = 204.2609, p-val < .0001
##
## Model Results:
##
##                                     estimate
## factor(sample.student)1 - student      0.2031
## factor(sample.student)2 - nonstudent    0.2085
## factor(sample.student)3 - combined student and nonstudent 0.2277
##                                     se      zval
## factor(sample.student)1 - student      0.0202 10.0685
## factor(sample.student)2 - nonstudent    0.0250  8.3273
## factor(sample.student)3 - combined student and nonstudent 0.0393  5.7914
##                                     pval    ci.lb
## factor(sample.student)1 - student      <.0001  0.1635
## factor(sample.student)2 - nonstudent    <.0001  0.1595
## factor(sample.student)3 - combined student and nonstudent <.0001  0.1506
##                                     ci.ub
## factor(sample.student)1 - student      0.2426 ***
## factor(sample.student)2 - nonstudent    0.2576 ***
## factor(sample.student)3 - combined student and nonstudent 0.3047 ***
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## sample.student <> Psychoticism: Reference: student
res.re.p.sample.student.r <- rma(es, var, mods = ~ factor(sample.student), data=dat.analysis, subset =
res.re.p.sample.student.r

##
## Mixed-Effects Model (k = 136; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0222 (SE = 0.0035)
## tau (square root of estimated tau^2 value):             0.1488

```

```

## I2 (residual heterogeneity / unaccounted variability): 88.90%
## H2 (unaccounted variability / sampling variability): 9.01
## R2 (amount of heterogeneity accounted for): 0.00%
##
## Test for Residual Heterogeneity:
## QE(df = 133) = 1733.2154, p-val < .0001
##
## Test of Moderators (coefficient(s) 2:3):
## QM(df = 2) = 0.3104, p-val = 0.8563
##
## Model Results:
##
##
##
## intrcpt estimate
## factor(sample.student)2 - nonstudent 0.2031
## factor(sample.student)3 - combined student and nonstudent 0.0055
## 0.0246
## se zval
## intrcpt 0.0202 10.0685
## factor(sample.student)2 - nonstudent 0.0322 0.1706
## factor(sample.student)3 - combined student and nonstudent 0.0442 0.5570
## pval ci.lb
## intrcpt <.0001 0.1635
## factor(sample.student)2 - nonstudent 0.8645 -0.0575
## factor(sample.student)3 - combined student and nonstudent 0.5775 -0.0620
## ci.ub
## intrcpt 0.2426 ***
## factor(sample.student)2 - nonstudent 0.0685
## factor(sample.student)3 - combined student and nonstudent 0.1112
##
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## schizo.measure <> Psychoticism
res.re.p.schizo.measure <- rma(es, var, mods = ~ factor(schizo.measure) -1, data=dat.analysis, subset =
res.re.p.schizo.measure

##
## Mixed-Effects Model (k = 136; tau2 estimator: REML)
##
## tau2 (estimated amount of residual heterogeneity): 0.0218 (SE = 0.0034)
## tau (square root of estimated tau2 value): 0.1476
## I2 (residual heterogeneity / unaccounted variability): 88.87%
## H2 (unaccounted variability / sampling variability): 8.98
##
## Test for Residual Heterogeneity:
## QE(df = 134) = 1932.8318, p-val < .0001
##
## Test of Moderators (coefficient(s) 1:2):
## QM(df = 2) = 207.7346, p-val < .0001
##
## Model Results:
##
##
## estimate se zval
## factor(schizo.measure)1 - self-report 0.2046 0.0152 13.4829
## factor(schizo.measure)2 - rating by expert 0.2483 0.0487 5.0937

```

```

##                               pval  ci.lb  ci.ub
## factor(schizo.measure)1 - self-report    <.0001  0.1748  0.2343  ***
## factor(schizo.measure)2 - rating by expert <.0001  0.1527  0.3438  ***
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## schizo.measure <> Psychoticism: Reference: self-report
res.re.p.schizo.measure.r <- rma(es, var, mods = ~ factor(schizo.measure), data=dat.analysis, subset = (
res.re.p.schizo.measure.r

##
## Mixed-Effects Model (k = 136; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0218 (SE = 0.0034)
## tau (square root of estimated tau^2 value):              0.1476
## I^2 (residual heterogeneity / unaccounted variability):  88.87%
## H^2 (unaccounted variability / sampling variability):    8.98
## R^2 (amount of heterogeneity accounted for):              0.00%
##
## Test for Residual Heterogeneity:
## QE(df = 134) = 1932.8318, p-val < .0001
##
## Test of Moderators (coefficient(s) 2):
## QM(df = 1) = 0.7336, p-val = 0.3917
##
## Model Results:
##
##               estimate      se      zval
## intrcpt          0.2046  0.0152  13.4829
## factor(schizo.measure)2 - rating by expert  0.0437  0.0510   0.8565
##
##               pval      ci.lb      ci.ub
## intrcpt          <.0001  0.1748  0.2343  ***
## factor(schizo.measure)2 - rating by expert  0.3917 -0.0563  0.1438
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## posneg <> Psychoticism
res.re.p.posneg <- rma(es, var, mods = ~ factor(posneg) -1, data=dat.analysis, subset = (dat.analysis$
res.re.p.posneg

##
## Mixed-Effects Model (k = 136; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0197 (SE = 0.0032)
## tau (square root of estimated tau^2 value):              0.1405
## I^2 (residual heterogeneity / unaccounted variability):  87.51%
## H^2 (unaccounted variability / sampling variability):    8.01
##
## Test for Residual Heterogeneity:
## QE(df = 133) = 1543.9543, p-val < .0001
##
## Test of Moderators (coefficient(s) 1:3):
## QM(df = 3) = 234.8890, p-val < .0001
##

```

```

## Model Results:
##
##
##           estimate      se      zval      pval      ci.lb
## factor(posneg)1-positive      0.2126  0.0176  12.0611 <.0001  0.1781
## factor(posneg)2-negative      0.1481  0.0288   5.1395 <.0001  0.0916
## factor(posneg)3-nonclassified  0.2944  0.0371   7.9375 <.0001  0.2217
##
##           ci.ub
## factor(posneg)1-positive      0.2472 ***
## factor(posneg)2-negative      0.2045 ***
## factor(posneg)3-nonclassified  0.3671 ***
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## posneg <> Psychoticism: Reference: positive
res.re.p.posneg.r <- rma(es, var, mods = ~ factor(posneg), data=dat.analysis, subset = (dat.analysis$tr
res.re.p.posneg.r

##
## Mixed-Effects Model (k = 136; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0197 (SE = 0.0032)
## tau (square root of estimated tau^2 value):              0.1405
## I^2 (residual heterogeneity / unaccounted variability): 87.51%
## H^2 (unaccounted variability / sampling variability):     8.01
## R^2 (amount of heterogeneity accounted for):              9.09%
##
## Test for Residual Heterogeneity:
## QE(df = 133) = 1543.9543, p-val < .0001
##
## Test of Moderators (coefficient(s) 2:3):
## QM(df = 2) = 9.8202, p-val = 0.0074
##
## Model Results:
##
##           estimate      se      zval      pval      ci.lb
## intrcpt      0.2126  0.0176  12.0611 <.0001  0.1781
## factor(posneg)2-negative     -0.0645  0.0338  -1.9110  0.0560 -0.1307
## factor(posneg)3-nonclassified  0.0818  0.0411   1.9924  0.0463  0.0013
##
##           ci.ub
## intrcpt      0.2472 ***
## factor(posneg)2-negative      0.0017 .
## factor(posneg)3-nonclassified  0.1623 *
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## es.measure <> Psychoticism
res.re.p.es.measure <- rma(es, var, mods = ~ factor(es.measure) -1, data=dat.analysis, subset = (dat.an
res.re.p.es.measure

##
## Mixed-Effects Model (k = 136; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0218 (SE = 0.0034)
## tau (square root of estimated tau^2 value):              0.1478

```

```

## I2 (residual heterogeneity / unaccounted variability): 88.90%
## H2 (unaccounted variability / sampling variability): 9.01
##
## Test for Residual Heterogeneity:
## QE(df = 134) = 1934.1038, p-val < .0001
##
## Test of Moderators (coefficient(s) 1:2):
## QM(df = 2) = 206.9389, p-val < .0001
##
## Model Results:
##
##
## estimate se zval pval
## factor(es.measure)1 - correlation 0.2051 0.0153 13.4291 <.0001
## factor(es.measure)2 - Cohen's d 0.2392 0.0464 5.1572 <.0001
## ci.lb ci.ub
## factor(es.measure)1 - correlation 0.1751 0.2350 ***
## factor(es.measure)2 - Cohen's d 0.1483 0.3301 ***
##
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## es.measure <> Psychoticism: Reference: correlation
res.re.p.es.measure.r <- rma(es, var, mods = ~ factor(es.measure), data=dat.analysis, subset = (dat.analysis$es.measure == "Psychoticism"))
res.re.p.es.measure.r

##
## Mixed-Effects Model (k = 136; tau2 estimator: REML)
##
## tau2 (estimated amount of residual heterogeneity): 0.0218 (SE = 0.0034)
## tau (square root of estimated tau2 value): 0.1478
## I2 (residual heterogeneity / unaccounted variability): 88.90%
## H2 (unaccounted variability / sampling variability): 9.01
## R2 (amount of heterogeneity accounted for): 0.00%
##
## Test for Residual Heterogeneity:
## QE(df = 134) = 1934.1038, p-val < .0001
##
## Test of Moderators (coefficient(s) 2):
## QM(df = 1) = 0.4895, p-val = 0.4841
##
## Model Results:
##
##
## estimate se zval pval
## intrcpt 0.2051 0.0153 13.4291 <.0001
## factor(es.measure)2 - Cohen's d 0.0342 0.0488 0.6997 0.4841
## ci.lb ci.ub
## intrcpt 0.1751 0.2350 ***
## factor(es.measure)2 - Cohen's d -0.0615 0.1299
##
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## country.study <> Psychoticism
res.re.p.country.study <- rma(es, var, mods = ~ factor(country.study) -1, data=dat.analysis, subset = (dat.analysis$country.study == "Psychoticism"))
res.re.p.country.study

```

```

##
## Mixed-Effects Model (k = 136; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0204 (SE = 0.0033)
## tau (square root of estimated tau^2 value):             0.1427
## I^2 (residual heterogeneity / unaccounted variability): 87.84%
## H^2 (unaccounted variability / sampling variability):    8.22
##
## Test for Residual Heterogeneity:
## QE(df = 129) = 1368.8887, p-val < .0001
##
## Test of Moderators (coefficient(s) 1:7):
## QM(df = 7) = 231.1817, p-val < .0001
##
## Model Results:
##
##               estimate      se      zval      pval
## factor(country.study)Asia      0.3574  0.1052  3.3984  0.0007
## factor(country.study)Australia and NZ  0.1666  0.0440  3.7851  0.0002
## factor(country.study)Continental Europe 0.1802  0.0307  5.8603 <.0001
## factor(country.study)Israel      0.2995  0.1202  2.4921  0.0127
## factor(country.study)South America  0.1336  0.0696  1.9189  0.0550
## factor(country.study)UK          0.1853  0.0244  7.5999 <.0001
## factor(country.study)USA         0.2712  0.0267 10.1643 <.0001
##               ci.lb      ci.ub
## factor(country.study)Asia      0.1513  0.5636 ***
## factor(country.study)Australia and NZ  0.0803  0.2529 ***
## factor(country.study)Continental Europe 0.1199  0.2405 ***
## factor(country.study)Israel      0.0640  0.5350 *
## factor(country.study)South America -0.0029  0.2701 .
## factor(country.study)UK          0.1375  0.2331 ***
## factor(country.study)USA         0.2189  0.3235 ***
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## country.study <- Psychoticism: Reference: Asia
res.re.p.country.study.r <- rma(es, var, mods = ~ factor(country.study), data=dat.analysis, subset = (d
res.re.p.country.study.r
##
## Mixed-Effects Model (k = 136; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0204 (SE = 0.0033)
## tau (square root of estimated tau^2 value):             0.1427
## I^2 (residual heterogeneity / unaccounted variability): 87.84%
## H^2 (unaccounted variability / sampling variability):    8.22
## R^2 (amount of heterogeneity accounted for):            6.26%
##
## Test for Residual Heterogeneity:
## QE(df = 129) = 1368.8887, p-val < .0001
##
## Test of Moderators (coefficient(s) 2:7):
## QM(df = 6) = 11.9100, p-val = 0.0640
##

```

```

## Model Results:
##
##
##           estimate      se      zval      pval
## intrcpt           0.3574  0.1052   3.3984  0.0007
## factor(country.study)Australia and NZ  -0.1908  0.1140  -1.6737  0.0942
## factor(country.study)Continental Europe -0.1773  0.1096  -1.6175  0.1058
## factor(country.study)Israel            -0.0579  0.1597  -0.3628  0.7167
## factor(country.study)South America      -0.2238  0.1261  -1.7742  0.0760
## factor(country.study)UK                 -0.1721  0.1080  -1.5943  0.1109
## factor(country.study)USA                -0.0863  0.1085  -0.7951  0.4266
##
##           ci.lb      ci.ub
## intrcpt           0.1513  0.5636 ***
## factor(country.study)Australia and NZ  -0.4143  0.0326 .
## factor(country.study)Continental Europe -0.3920  0.0375
## factor(country.study)Israel            -0.3710  0.2551
## factor(country.study)South America      -0.4710  0.0234 .
## factor(country.study)UK                 -0.3838  0.0395
## factor(country.study)USA                -0.2989  0.1264
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## language <> Psychoticism
res.re.p.language <- rma(es, var, mods = ~ factor(language) -1, data=dat.analysis, subset = (dat.analysis$
res.re.p.language

##
## Mixed-Effects Model (k = 136; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0218 (SE = 0.0034)
## tau (square root of estimated tau^2 value):              0.1477
## I^2 (residual heterogeneity / unaccounted variability): 88.82%
## H^2 (unaccounted variability / sampling variability):    8.95
##
## Test for Residual Heterogeneity:
## QE(df = 134) = 1917.3502, p-val < .0001
##
## Test of Moderators (coefficient(s) 1:2):
## QM(df = 2) = 207.4326, p-val < .0001
##
## Model Results:
##
##           estimate      se      zval      pval      ci.lb
## factor(language)English      0.2164  0.0175  12.3890 <.0001  0.1821
## factor(language)Non-English   0.1908  0.0260   7.3448 <.0001  0.1399
##
##           ci.ub
## factor(language)English      0.2506 ***
## factor(language)Non-English   0.2417 ***
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## language <> Psychoticism: Reference: English
res.re.p.language.r <- rma(es, var, mods = ~ factor(language), data=dat.analysis, subset = (dat.analysis$
res.re.p.language.r

```

```

##
## Mixed-Effects Model (k = 136; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0218 (SE = 0.0034)
## tau (square root of estimated tau^2 value):             0.1477
## I^2 (residual heterogeneity / unaccounted variability): 88.82%
## H^2 (unaccounted variability / sampling variability):   8.95
## R^2 (amount of heterogeneity accounted for):            0.00%
##
## Test for Residual Heterogeneity:
## QE(df = 134) = 1917.3502, p-val < .0001
##
## Test of Moderators (coefficient(s) 2):
## QM(df = 1) = 0.6679, p-val = 0.4138
##
## Model Results:
##
##              estimate      se      zval      pval      ci.lb
## intrcpt              0.2164  0.0175  12.3890 <.0001  0.1821
## factor(language)Non-English -0.0256  0.0313  -0.8173  0.4138 -0.0869
##
##              ci.ub
## intrcpt              0.2506 ***
## factor(language)Non-English 0.0358
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## year <> Psychoticism
res.re.p.year <- rma(es, var, mods = ~ year, data=dat.analysis, subset = (dat.analysis$trait == "3 - Psy
res.re.p.year

##
## Mixed-Effects Model (k = 136; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0217 (SE = 0.0034)
## tau (square root of estimated tau^2 value):             0.1474
## I^2 (residual heterogeneity / unaccounted variability): 88.73%
## H^2 (unaccounted variability / sampling variability):   8.87
## R^2 (amount of heterogeneity accounted for):            0.00%
##
## Test for Residual Heterogeneity:
## QE(df = 134) = 1602.5697, p-val < .0001
##
## Test of Moderators (coefficient(s) 2):
## QM(df = 1) = 0.2697, p-val = 0.6036
##
## Model Results:
##
##              estimate      se      zval      pval      ci.lb      ci.ub
## intrcpt          1.6481  2.7725  0.5945  0.5522 -3.7859  7.0822
## year             -0.0007  0.0014 -0.5193  0.6036 -0.0034  0.0020
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

```



```

## age.mean.all2 <> Psychoticism
res.re.p.age.mean.all2 <- rma(es, var, mods = ~ age.mean.all2, data=dat.analysis, subset = (dat.analysis

## Warning in rma(es, var, mods = ~age.mean.all2, data = dat.analysis, subset
## = (dat.analysis$trait == : Studies with NAs omitted from model fitting.
res.re.p.age.mean.all2

##
## Mixed-Effects Model (k = 105; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0173 (SE = 0.0034)
## tau (square root of estimated tau^2 value):             0.1316
## I^2 (residual heterogeneity / unaccounted variability): 78.17%
## H^2 (unaccounted variability / sampling variability):    4.58
## R^2 (amount of heterogeneity accounted for):             3.15%
##
## Test for Residual Heterogeneity:
## QE(df = 103) = 437.7260, p-val < .0001
##
## Test of Moderators (coefficient(s) 2):
## QM(df = 1) = 3.8890, p-val = 0.0486
##
## Model Results:
##
##           estimate      se   zval   pval   ci.lb  ci.ub
## intrcpt      0.0769  0.0691  1.1136  0.2655 -0.0585  0.2123
## age.mean.all2  0.0053  0.0027  1.9721  0.0486  0.0000  0.0105 *
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## schizo.core <> Psychoticism
res.re.p.schizo.core <- rma(es, var, mods = ~ factor(schizo.core) -1, data=dat.analysis, subset = (dat.
res.re.p.schizo.core

```

```

##
## Mixed-Effects Model (k = 136; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0156 (SE = 0.0026)
## tau (square root of estimated tau^2 value):             0.1249
## I^2 (residual heterogeneity / unaccounted variability): 84.32%
## H^2 (unaccounted variability / sampling variability):    6.38
##
## Test for Residual Heterogeneity:
## QE(df = 132) = 941.7551, p-val < .0001
##
## Test of Moderators (coefficient(s) 1:4):
## QM(df = 4) = 308.5590, p-val < .0001
##
## Model Results:
##
##                                     estimate
## factor(schizo.core)1 - core schizotypy content      0.2026
## factor(schizo.core)2 - strong correlate but not core (E-) 0.1867

```

```

## factor(schizo.core)3 - weak correlate but not core (C-, A-)    0.4332
## factor(schizo.core)4 - neither core nor correlate            0.0835
##                                                                se
## factor(schizo.core)1 - core schizotypy content              0.0148
## factor(schizo.core)2 - strong correlate but not core (E-)    0.0409
## factor(schizo.core)3 - weak correlate but not core (C-, A-) 0.0440
## factor(schizo.core)4 - neither core nor correlate            0.0446
##                                                                zval
## factor(schizo.core)1 - core schizotypy content              13.6846
## factor(schizo.core)2 - strong correlate but not core (E-)    4.5591
## factor(schizo.core)3 - weak correlate but not core (C-, A-) 9.8492
## factor(schizo.core)4 - neither core nor correlate            1.8700
##                                                                pval
## factor(schizo.core)1 - core schizotypy content              <.0001
## factor(schizo.core)2 - strong correlate but not core (E-)    <.0001
## factor(schizo.core)3 - weak correlate but not core (C-, A-) <.0001
## factor(schizo.core)4 - neither core nor correlate            0.0615
##                                                                ci.lb
## factor(schizo.core)1 - core schizotypy content              0.1736
## factor(schizo.core)2 - strong correlate but not core (E-)    0.1064
## factor(schizo.core)3 - weak correlate but not core (C-, A-) 0.3470
## factor(schizo.core)4 - neither core nor correlate            -0.0040
##                                                                ci.ub
## factor(schizo.core)1 - core schizotypy content              0.2316 ***
## factor(schizo.core)2 - strong correlate but not core (E-)    0.2669 ***
## factor(schizo.core)3 - weak correlate but not core (C-, A-) 0.5194 ***
## factor(schizo.core)4 - neither core nor correlate            0.1710 .
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

```

```

## schizo.core <> Psychoticism: Reference: core schizotypy content
res.re.p.schizo.core.r <- rma(es, var, mods = ~ factor(schizo.core), data=dat.analysis, subset = (dat.a
res.re.p.schizo.core.r

```

```

##
## Mixed-Effects Model (k = 136; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):          0.0156 (SE = 0.0026)
## tau (square root of estimated tau^2 value):                 0.1249
## I^2 (residual heterogeneity / unaccounted variability):    84.32%
## H^2 (unaccounted variability / sampling variability):       6.38
## R^2 (amount of heterogeneity accounted for):                 28.19%
##
## Test for Residual Heterogeneity:
## QE(df = 132) = 941.7551, p-val < .0001
##
## Test of Moderators (coefficient(s) 2:4):
## QM(df = 3) = 34.3632, p-val < .0001
##
## Model Results:
##
##                                                                estimate
## intrcpt                                                         0.2026
## factor(schizo.core)2 - strong correlate but not core (E-)    -0.0159

```

```

## factor(schizo.core)3 - weak correlate but not core (C-, A-)    0.2307
## factor(schizo.core)4 - neither core nor correlate             -0.1191
##                                                                se
## intrcpt                                                       0.0148
## factor(schizo.core)2 - strong correlate but not core (E-)    0.0435
## factor(schizo.core)3 - weak correlate but not core (C-, A-) 0.0464
## factor(schizo.core)4 - neither core nor correlate             0.0470
##                                                                zval
## intrcpt                                                       13.6846
## factor(schizo.core)2 - strong correlate but not core (E-)    -0.3652
## factor(schizo.core)3 - weak correlate but not core (C-, A-)  4.9701
## factor(schizo.core)4 - neither core nor correlate             -2.5322
##                                                                pval
## intrcpt                                                       <.0001
## factor(schizo.core)2 - strong correlate but not core (E-)    0.7149
## factor(schizo.core)3 - weak correlate but not core (C-, A-) <.0001
## factor(schizo.core)4 - neither core nor correlate             0.0113
##                                                                ci.lb
## intrcpt                                                       0.1736
## factor(schizo.core)2 - strong correlate but not core (E-)    -0.1012
## factor(schizo.core)3 - weak correlate but not core (C-, A-)  0.1397
## factor(schizo.core)4 - neither core nor correlate             -0.2113
##                                                                ci.ub
## intrcpt                                                       0.2316 ***
## factor(schizo.core)2 - strong correlate but not core (E-)    0.0694
## factor(schizo.core)3 - weak correlate but not core (C-, A-)  0.3216 ***
## factor(schizo.core)4 - neither core nor correlate             -0.0269 *
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

```

```
## schizo.neurot <> Psychoticism
```

```
res.re.p.schizo.neurot <- rma(es, var, mods = ~ factor(schizo.neurot) -1, data=dat.analysis, subset = (
res.re.p.schizo.neurot
```

```

##
## Mixed-Effects Model (k = 136; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0215 (SE = 0.0034)
## tau (square root of estimated tau^2 value):             0.1467
## I^2 (residual heterogeneity / unaccounted variability): 88.72%
## H^2 (unaccounted variability / sampling variability):    8.86
##
## Test for Residual Heterogeneity:
## QE(df = 134) = 1902.7903, p-val < .0001
##
## Test of Moderators (coefficient(s) 1:2):
## QM(df = 2) = 210.9210, p-val < .0001
##
## Model Results:
##
##              estimate      se      zval      pval
## factor(schizo.neurot)1 - schizo  0.2119  0.0146  14.4660 <.0001
## factor(schizo.neurot)2 - neurot  0.1044  0.0811   1.2870  0.1981
##              ci.lb      ci.ub

```

```

## factor(schizo.neurot)1 - schizo    0.1832  0.2406  ***
## factor(schizo.neurot)2 - neurot   -0.0546  0.2633
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## schizo.neurot <> Psychoticism: Reference: schizo
res.re.p.schizo.neurot.r <- rma(es, var, mods = ~ factor(schizo.neurot), data=dat.analysis, subset = (d
res.re.p.schizo.neurot.r

##
## Mixed-Effects Model (k = 136; tau^2 estimator: REML)
##
## tau^2 (estimated amount of residual heterogeneity):      0.0215 (SE = 0.0034)
## tau (square root of estimated tau^2 value):             0.1467
## I^2 (residual heterogeneity / unaccounted variability): 88.72%
## H^2 (unaccounted variability / sampling variability):    8.86
## R^2 (amount of heterogeneity accounted for):            0.98%
##
## Test for Residual Heterogeneity:
## QE(df = 134) = 1902.7903, p-val < .0001
##
## Test of Moderators (coefficient(s) 2):
## QM(df = 1) = 1.7027, p-val = 0.1919
##
## Model Results:
##
##              estimate      se      zval      pval
## intrcpt          0.2119  0.0146  14.4660 <.0001
## factor(schizo.neurot)2 - neurot  -0.1075  0.0824  -1.3049  0.1919
##              ci.lb      ci.ub
## intrcpt          0.1832  0.2406  ***
## factor(schizo.neurot)2 - neurot  -0.2690  0.0540
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

# Compute n's per mean correlation coefficient #####

increment <- function (curr_n, i){
  n = dat.analysis$n.schizo[i];

  if(!is.na(dat.analysis$r[i])){
    return (curr_n + n);
  }
  else {
    return (curr_n + n + dat.analysis$n.control[i]);
  }
}

dat.analysis <- import("datAnalysis.csv")

length <- length(dat.analysis$n.schizo)

```

```
n_e = n_n = n_p = 0

for (i in 1:length){
  trait = dat.analysis$trait[i];
  if (trait == "1 - Neuroticism"){
    n_n = increment(n_n, i);
  }
  else if (trait == "2 - Extraversion"){
    n_e = increment(n_e, i)
  }
  else if (trait == "3 - Psychoticism"){
    n_p = increment(n_p, i)
  }
}

print (n_e)

## [1] 35648

print (n_p)

## [1] 42880

print (n_n)

## [1] 37080
```