

# MACodingTransparency\_Code

ANONYMIZED FOR REVIEW

8/8/2018

Code corresponding to analysis and figures in MA transparency paper

## Descriptive analyses and stats reported in results section

```
#pubYear
summary(ma_data_long$DoP)

##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##      1990   1996   2004   2004   2011   2017

#revSize
summary(as.numeric(as.character(ma_sum_all$Review_Size)))

## Warning in summary(as.numeric(as.character(ma_sum_all$Review_Size))): NAs
## introduced by coercion

##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
##      12.0   47.0   76.5   125.3   130.2   1753.0      1

#Type
table(ma_data_ana$MA_Type)

##
##      correlation      experimental group differences
##              57              54              44

#protocolyear
ma_data_ana$DoP[ma_data_ana$Protocol == "y"]

## [1] 2017 2008 2000

#1995/2015 pc
mean(ma_byyear_cont_all$pc[ma_byyear_cont_all$DoP==1995])

## [1] 48.62637

mean(ma_byyear_cont_all$pc[ma_byyear_cont_all$DoP==2015])

## [1] 63.09524

mean(ma_sum_all$pc)

## [1] 55.33799

sd(ma_sum_all$pc)

## [1] 13.59114

mean(ma_sum_corr$pc)

## [1] 56.23327
```

```

sd(ma_sum_corr$pc)

## [1] 13.74812
mean(ma_sum_exp$pc)

## [1] 54.09035
sd(ma_sum_exp$pc)

## [1] 14.09611
mean(ma_sum_group$pc)

## [1] 55.67108
sd(ma_sum_group$pc)

## [1] 13.27985
lm.all <- lm(pc ~ MA_Type*DoP*as.numeric(as.character(Review_Size)), data = ma_all_predictors)

## Warning in eval(predvars, data, env): NAs introduced by coercion
summary(lm.all)

##
## Call:
## lm(formula = pc ~ MA_Type * DoP * as.numeric(as.character(Review_Size)),
##     data = ma_all_predictors)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -34.843  -6.405   1.047   6.724  21.231
##
## Coefficients:
##                                     Estimate
## (Intercept)                       -2.051e+03
## MA_TypeExperimental                 5.545e+02
## MA_TypeGroup                       -3.551e+02
## DoP                               1.052e+00
## as.numeric(as.character(Review_Size)) 1.747e+00
## MA_TypeExperimental:DoP            -2.802e-01
## MA_TypeGroup:DoP                   1.765e-01
## MA_TypeExperimental:as.numeric(as.character(Review_Size)) -2.817e+00
## MA_TypeGroup:as.numeric(as.character(Review_Size))         3.235e+00
## DoP:as.numeric(as.character(Review_Size))                  -8.754e-04
## MA_TypeExperimental:DoP:as.numeric(as.character(Review_Size)) 1.433e-03
## MA_TypeGroup:DoP:as.numeric(as.character(Review_Size))      -1.603e-03
##                                     Std. Error
## (Intercept)                       4.836e+02
## MA_TypeExperimental                 7.619e+02
## MA_TypeGroup                       7.869e+02
## DoP                               2.414e-01
## as.numeric(as.character(Review_Size)) 2.797e+00
## MA_TypeExperimental:DoP            3.802e-01
## MA_TypeGroup:DoP                   3.928e-01
## MA_TypeExperimental:as.numeric(as.character(Review_Size)) 8.109e+00

```

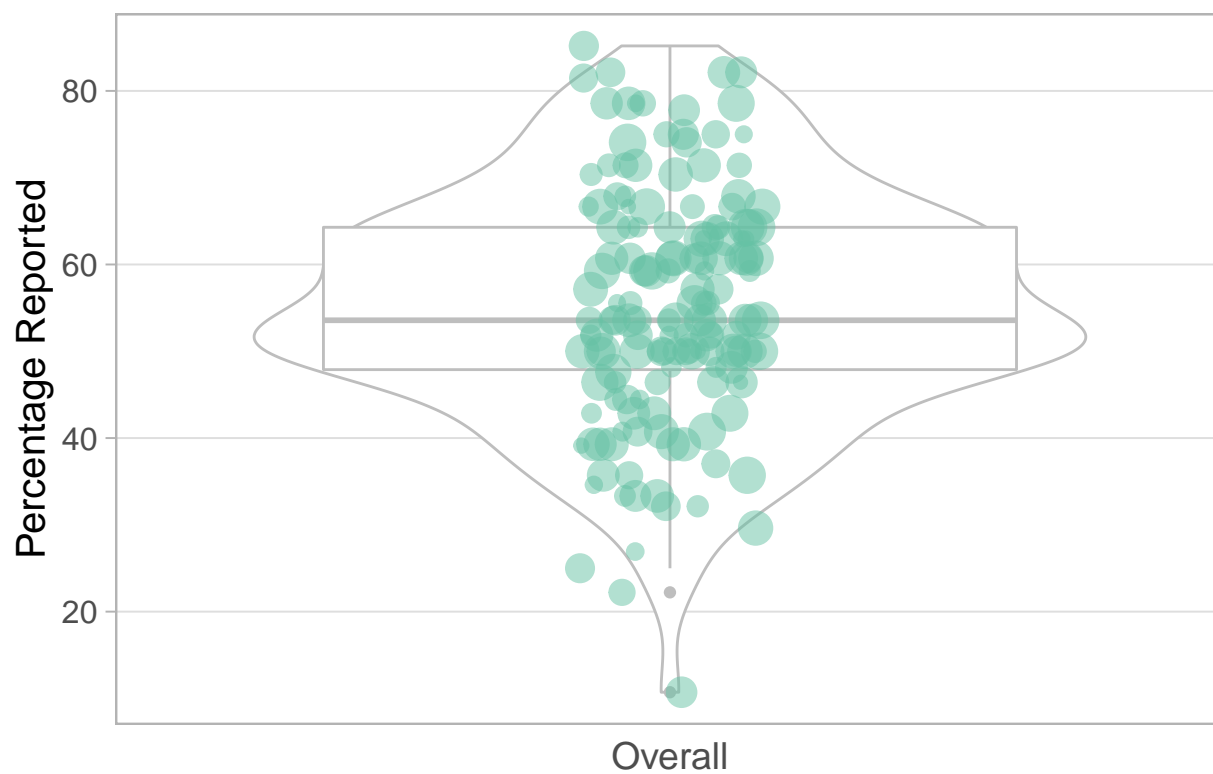
```

## MA_TypeGroup:as.numeric(as.character(Review_Size))      5.681e+00
## DoP:as.numeric(as.character(Review_Size))                1.396e-03
## MA_TypeExperimental:DoP:as.numeric(as.character(Review_Size)) 4.040e-03
## MA_TypeGroup:DoP:as.numeric(as.character(Review_Size))    2.830e-03
##                                                         t value
## (Intercept)                                             -4.242
## MA_TypeExperimental                                       0.728
## MA_TypeGroup                                             -0.451
## DoP                                                       4.359
## as.numeric(as.character(Review_Size))                   0.624
## MA_TypeExperimental:DoP                                   -0.737
## MA_TypeGroup:DoP                                         0.449
## MA_TypeExperimental:as.numeric(as.character(Review_Size)) -0.347
## MA_TypeGroup:as.numeric(as.character(Review_Size))       0.569
## DoP:as.numeric(as.character(Review_Size))               -0.627
## MA_TypeExperimental:DoP:as.numeric(as.character(Review_Size)) 0.355
## MA_TypeGroup:DoP:as.numeric(as.character(Review_Size))   -0.566
##                                                         Pr(>|t|)
## (Intercept)                                             3.98e-05 ***
## MA_TypeExperimental                                       0.468
## MA_TypeGroup                                             0.653
## DoP                                                       2.49e-05 ***
## as.numeric(as.character(Review_Size))                   0.533
## MA_TypeExperimental:DoP                                   0.462
## MA_TypeGroup:DoP                                         0.654
## MA_TypeExperimental:as.numeric(as.character(Review_Size)) 0.729
## MA_TypeGroup:as.numeric(as.character(Review_Size))       0.570
## DoP:as.numeric(as.character(Review_Size))               0.532
## MA_TypeExperimental:DoP:as.numeric(as.character(Review_Size)) 0.723
## MA_TypeGroup:DoP:as.numeric(as.character(Review_Size))   0.572
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 10.91 on 142 degrees of freedom
## (1 observation deleted due to missingness)
## Multiple R-squared:  0.4043, Adjusted R-squared:  0.3581
## F-statistic:  8.76 on 11 and 142 DF,  p-value: 9.68e-12

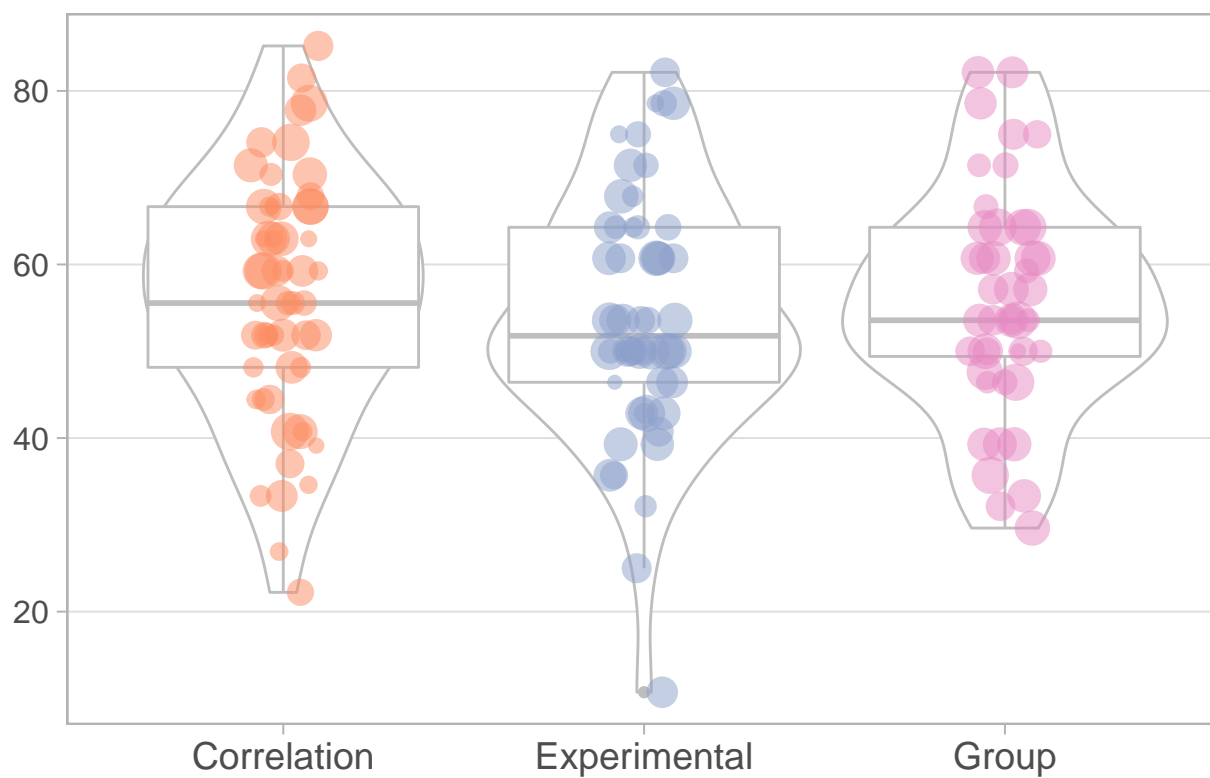
```

## Figures reported in paper

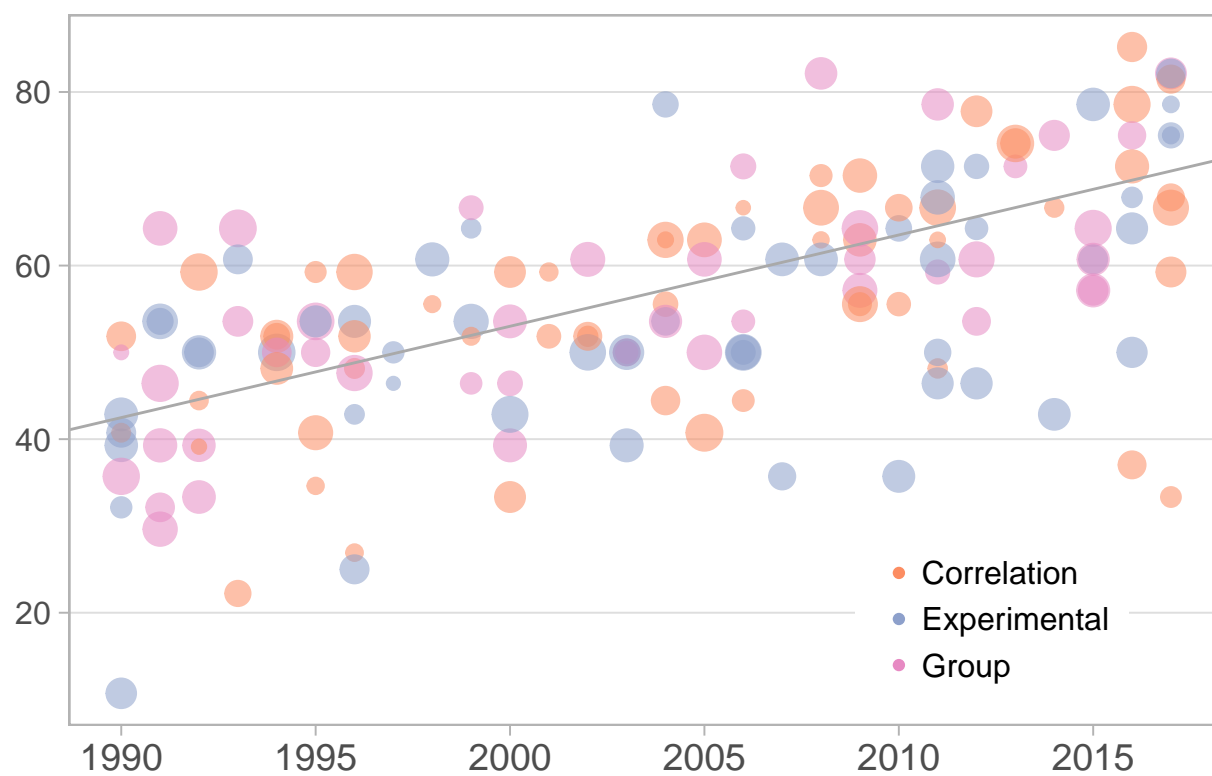
### A. Overall



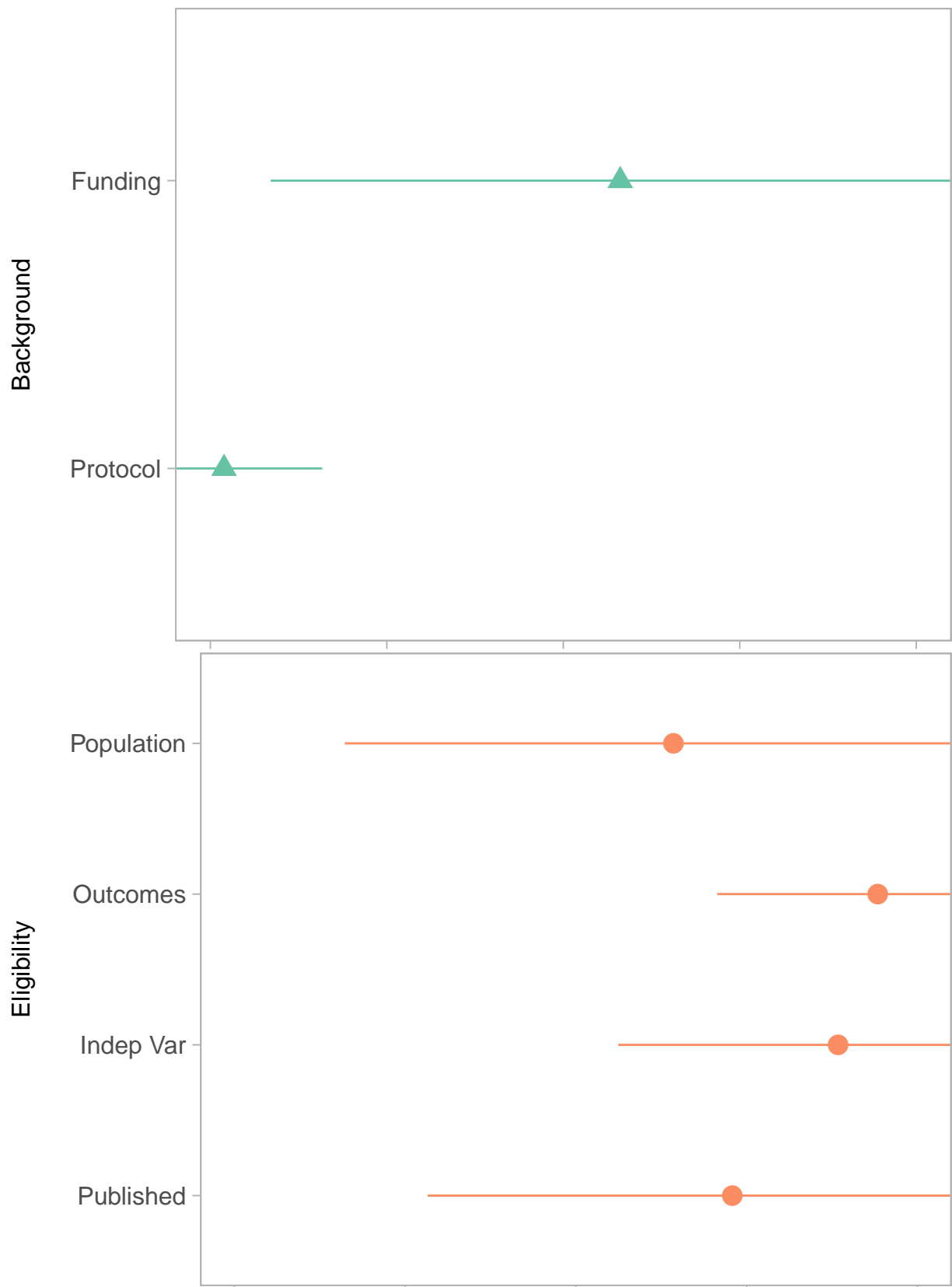
### B. Meta-Analysis Type

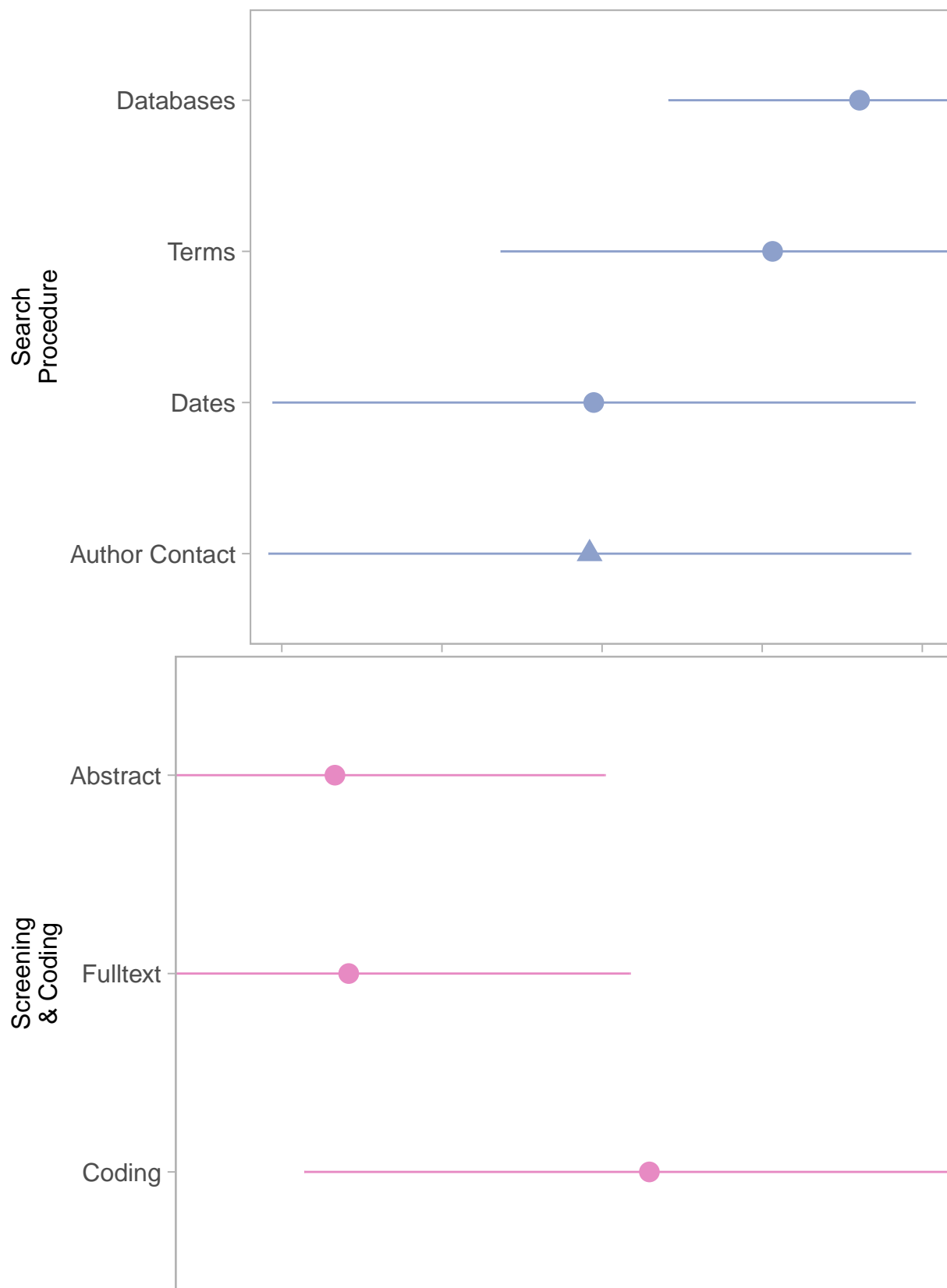


## C. Publication Year



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Methods

Effect Size Type

Data Handling

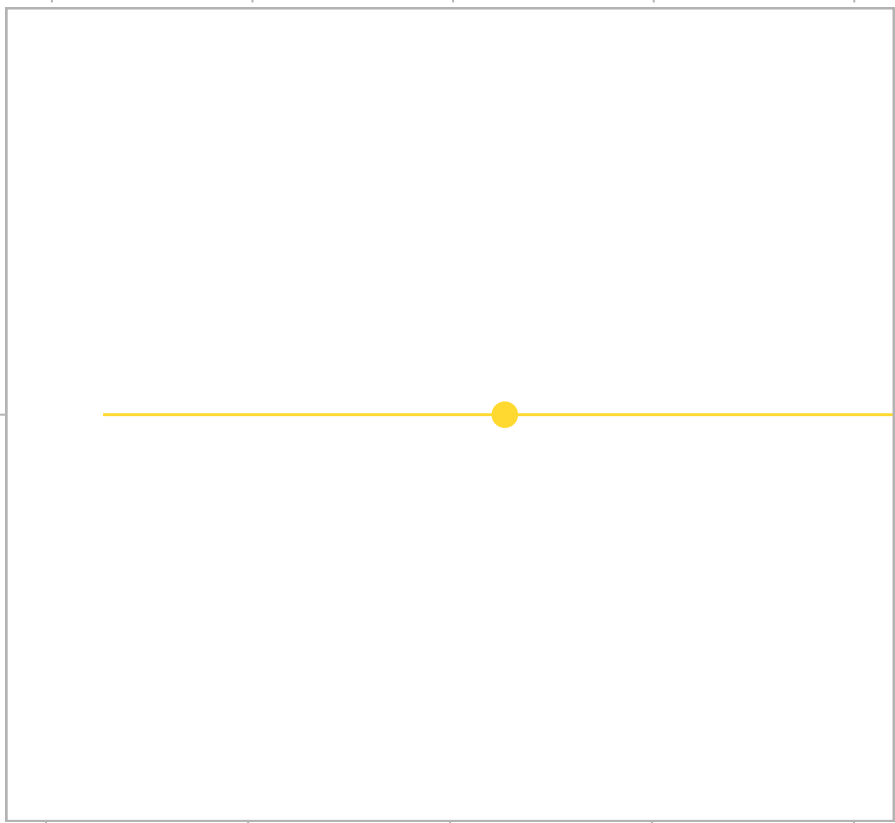
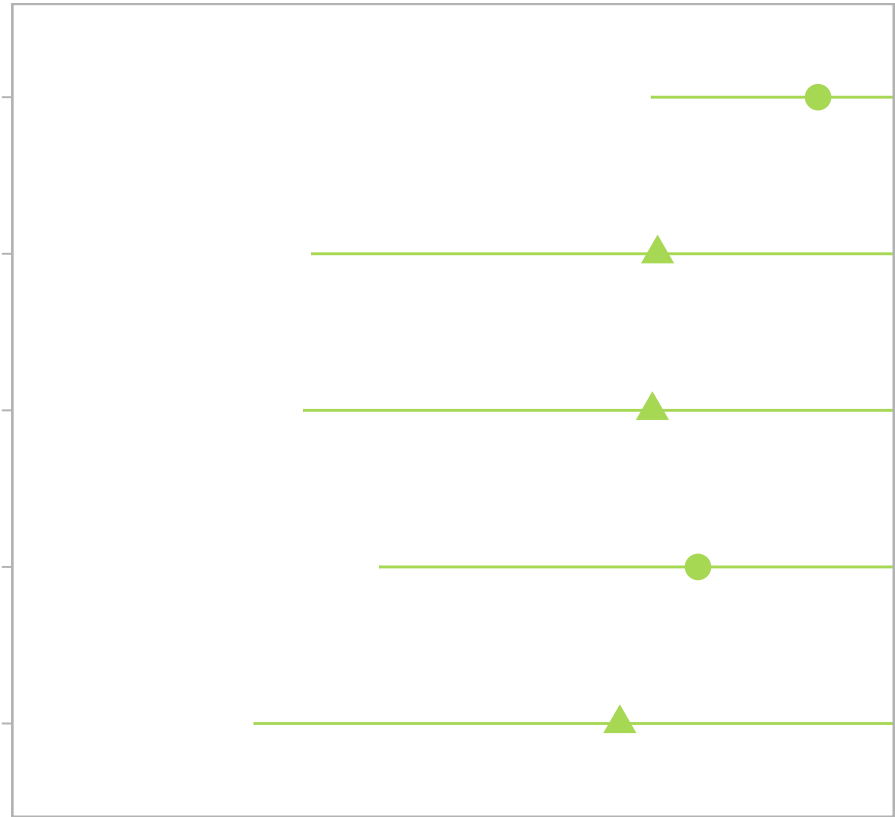
Dependent Data

Model

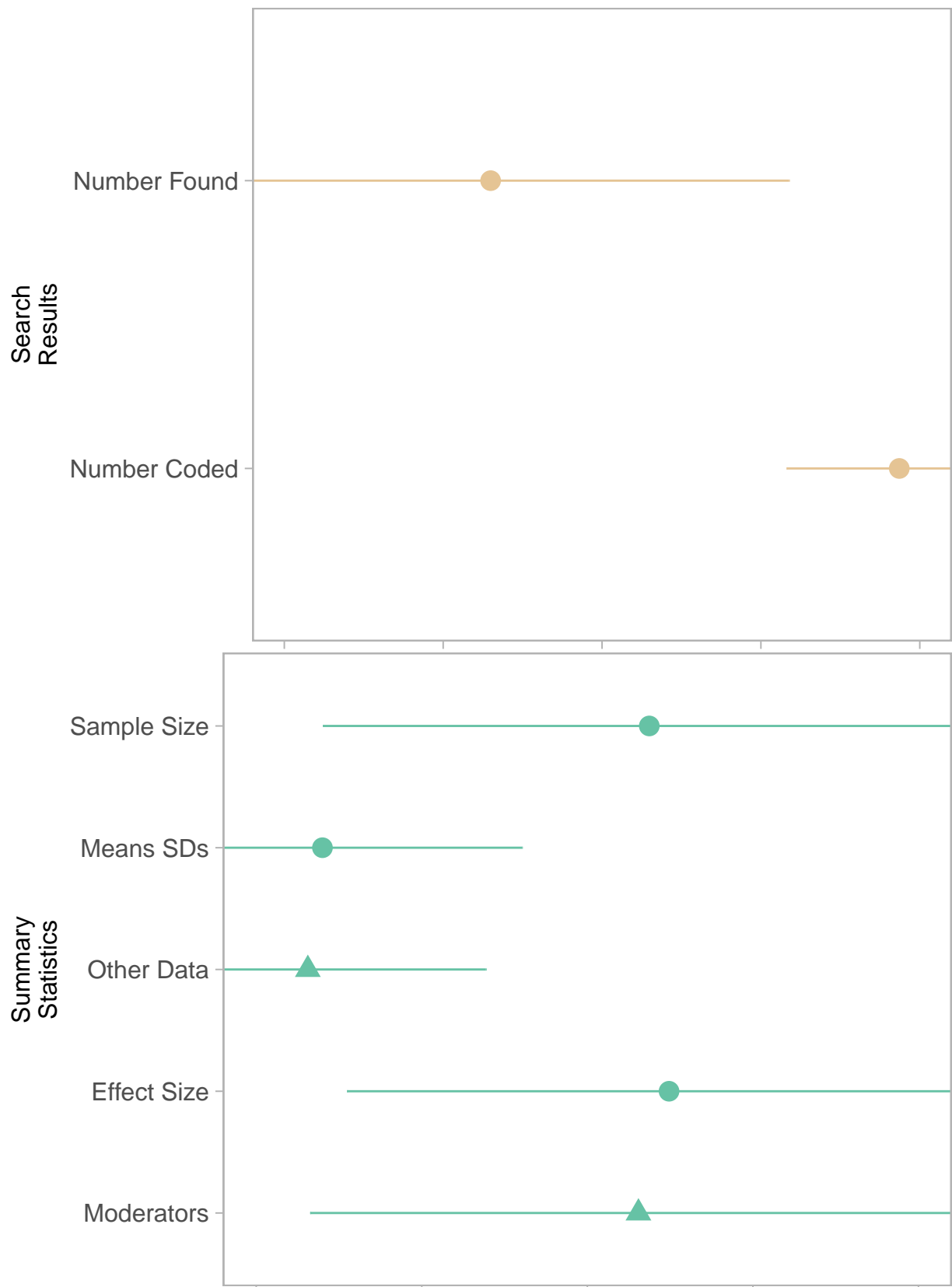
Weighting

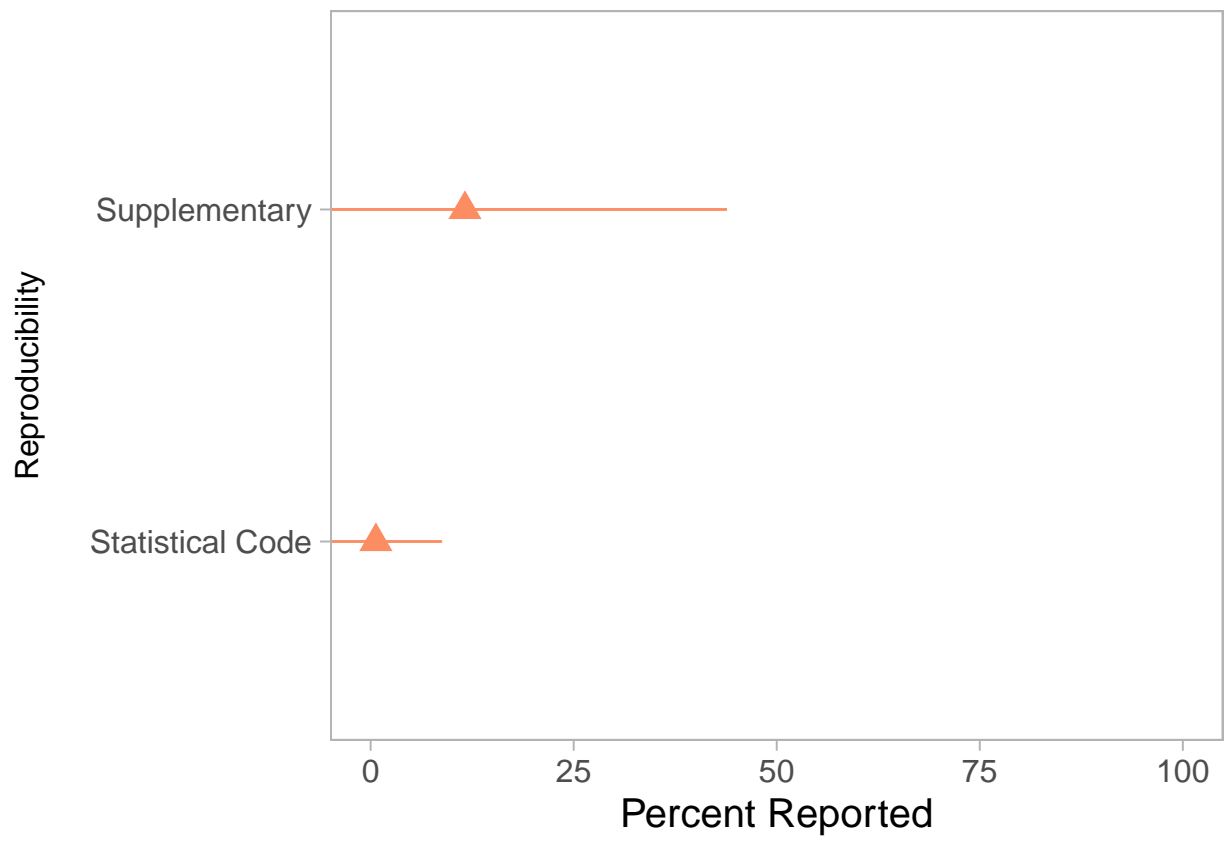
Bias

Publication Bias









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