Figures

Heterogeneity in direct replications in psychology and its association with effect size
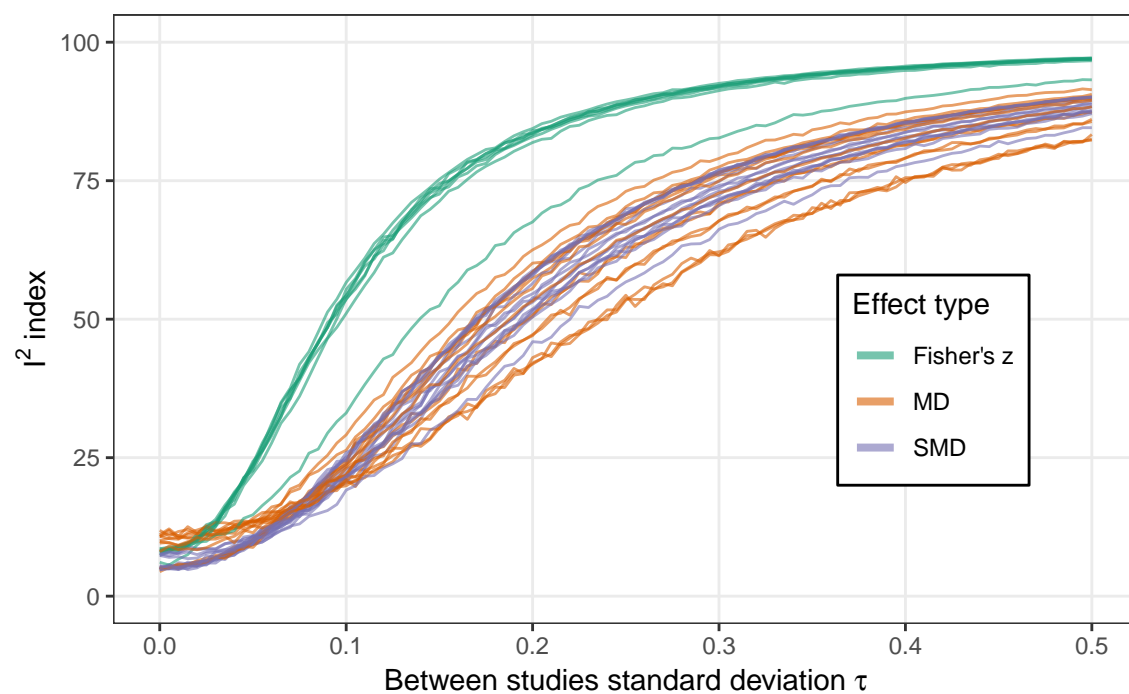
Figure 1

Figure 1. Result of simulation relating I^2-values to between studies standard deviation. Each line represent one of 37 effects. Tau is not directly comparable across effect size measures.
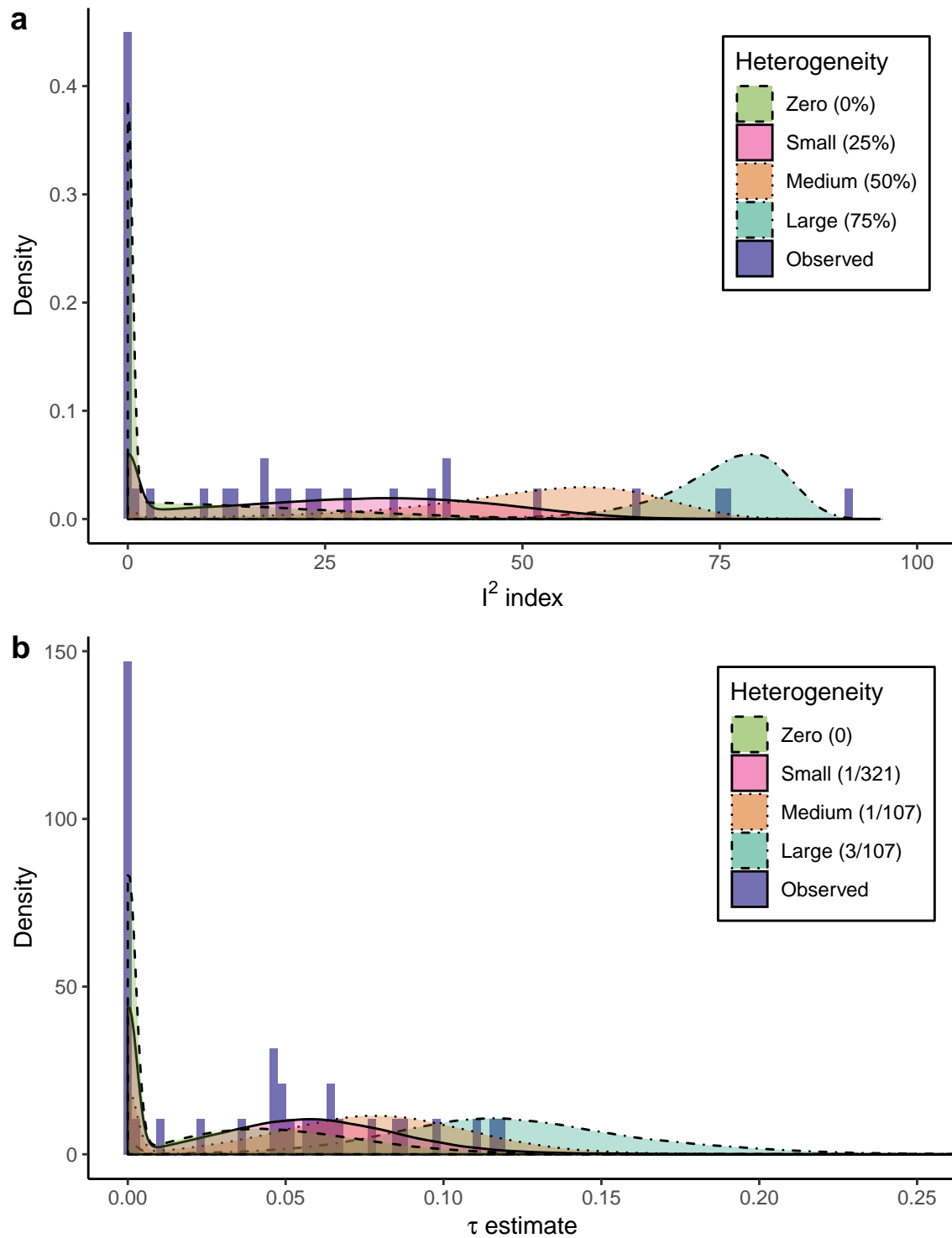
Figure 2

Figure 2. Simulated I^2 (a) and τ^2 (b) densities across 37 effects for zero, small, medium, and large heterogeneity according to the definitions of Higgins (2003), and a histogram of the observed I2 estimates for the 37 effects. For panel b) effects consist of correlations and biserial correlation and heterogeneity levels were approximated by Fisher's z values corresponding to Higgins' definitions for the median sample size of 108. Each simulated density consists of approximately 370,000 estimates.
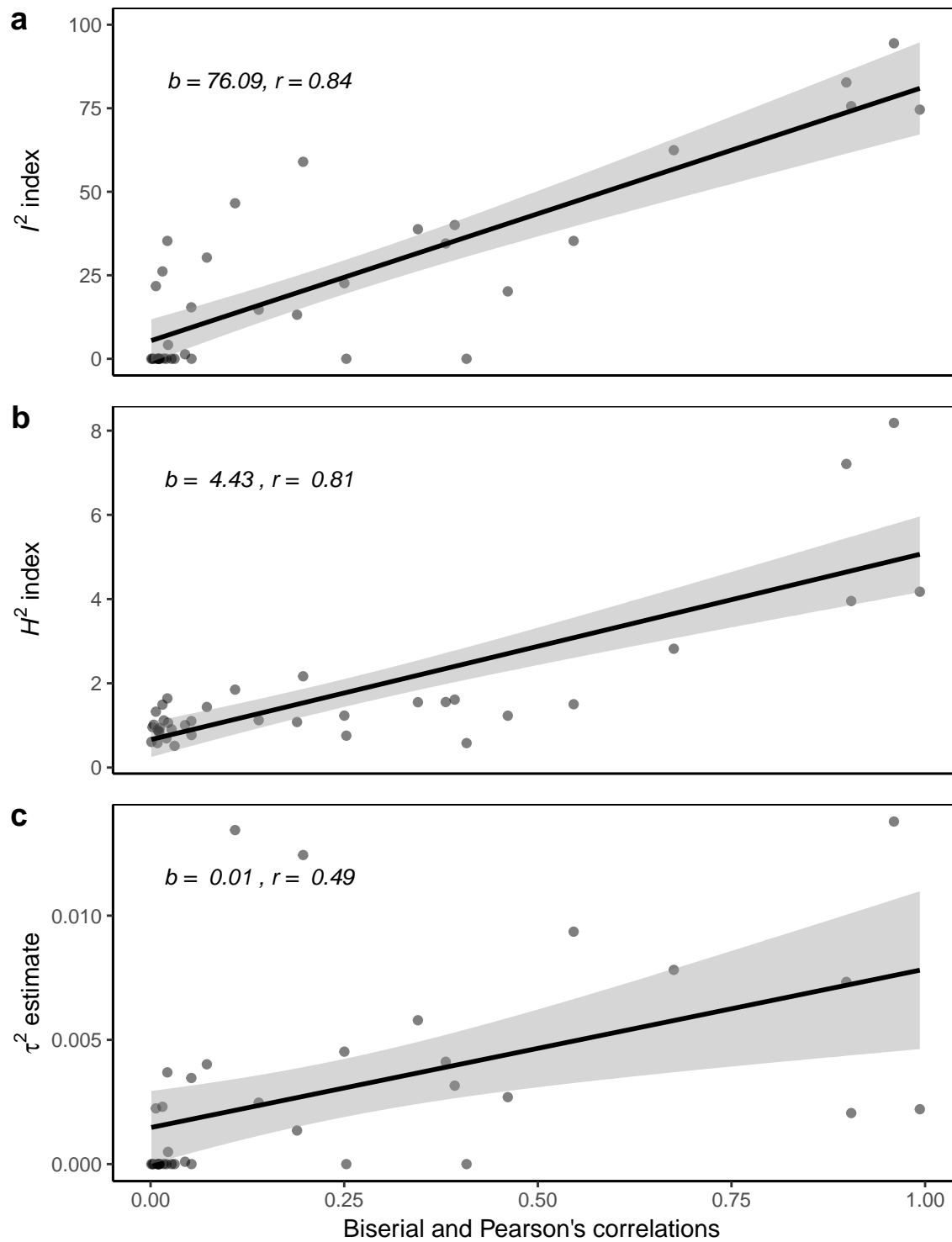
Figure 3

Figure 3. The correlation between a) I2 ,and effect size and b) H2 and c) ˆˆ2and effect size for 37 effects from ten pre-registered multi-lab replication projects. Shaded bands represent 95% confidence intervals

Correlations per effect type (alternative figure 3, probably drop)