

Supplement Nature Methods

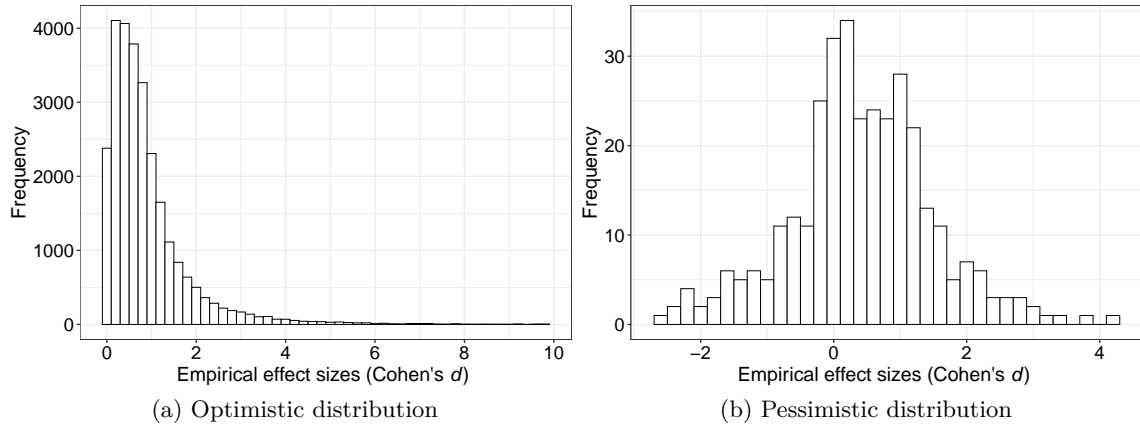


Figure 1: Empirical effect size distributions. Note that in (a) 45 values > 10 were removed in order to display the distribution.

1 Supplementary text 1: Limitations

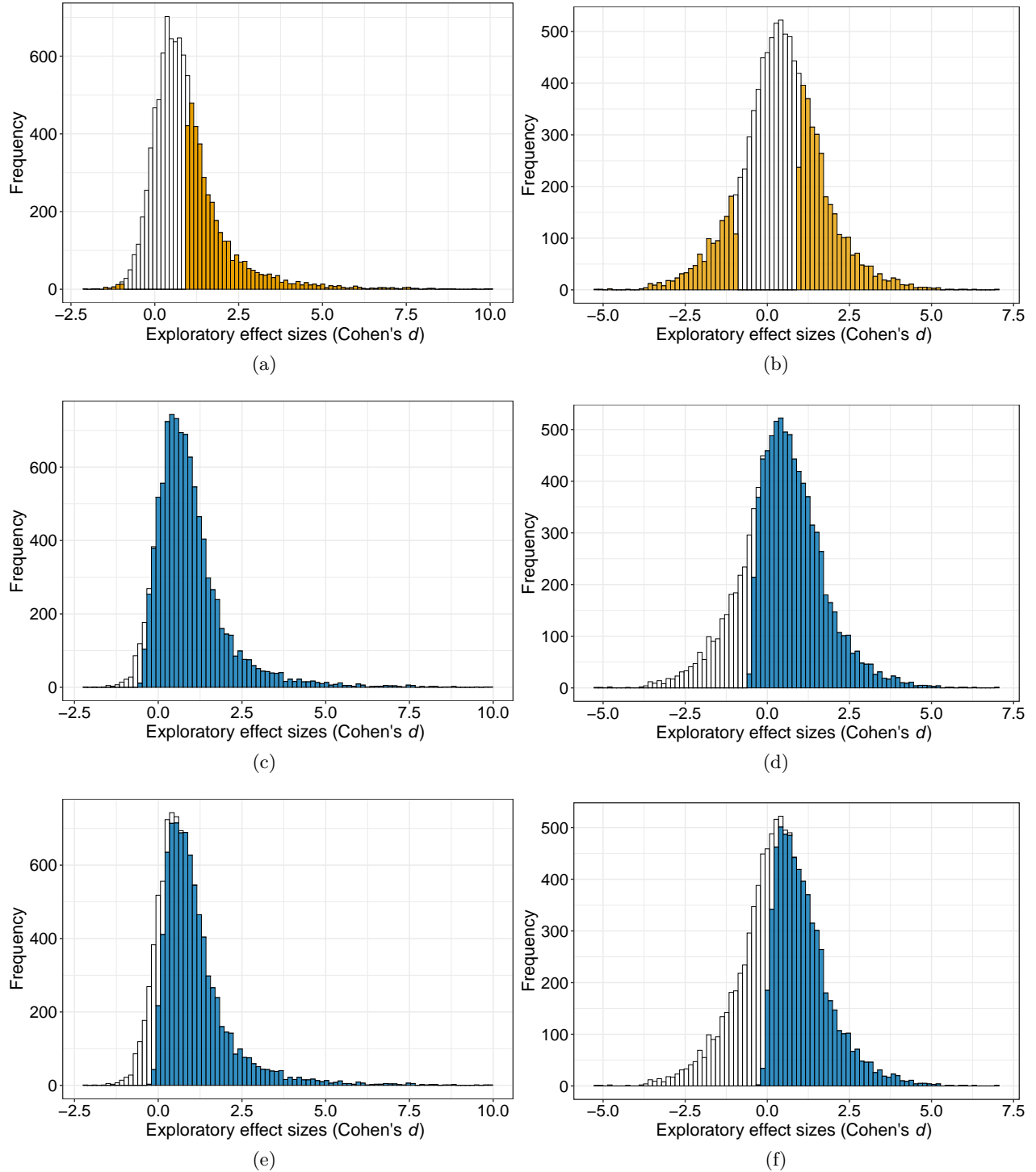


Figure 2: Exploratory effect sizes (left: based on optimistic empirical distribution, right: based on pessimistic empirical distribution). The panels show the effect sizes that were detected using one of the two decision criteria. Orange shaded bars (panels (a) and (b)) indicate those effect sizes that were identified for replication using the conventional significance threshold ($p = .05$). Blue shaded bars indicate effect sizes that were selected using a SESOI of 0.5 (panels (c) and (d)) or 1.0 (panels (e) and (f)), respectively. Note that in (a), (c), and (e) 24 values > 10 were removed in order to display the distribution.