

Don't fool yourself (or others)

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Science

Distinguish

a priori

from

post hoc

Distinguish
hypothesis driven
from
data derived

Distinguish
Confirmation
from
Exploration

Solution: **Preregistration**

Eliminating bias

Eliminating bias

Registered Reports

Registered Reports

Reviewed before data collection

- Evaluate study quality
- Informative regardless of outcome

Guaranteed publication

Incentivizes rigorous, cumulative science

Registered Reports

(95% CI: XX to YY; Figure 2). XX out of the XX studies showed an effect in the same direction as the original study. Of those in the same direction, XX had a 95% CI that did not include zero.

The sample of studies had no heterogeneity / little heterogeneity / substantial heterogeneity ($\tau^2 = \text{XX}$, $Q(\text{XX}) = \text{XX}$, $p = \text{XX}$; Borenstein et al., 2011), with about XX% of the observed variance among the effect sizes attributable to systematic differences between studies (I^2). Together, these indices suggest that further analyses of moderation by religiousness is <warranted | not warranted>. [IF NOT WARRANTED] For completeness, [IF WARRANTED] Figure 3 plots the moderation of the Ten Commandments effect by religiousness (separate analyses for each of the three religiousness measures can be found on <OSF link>). The meta-regression showed a significant / no significant effect for religiousness,

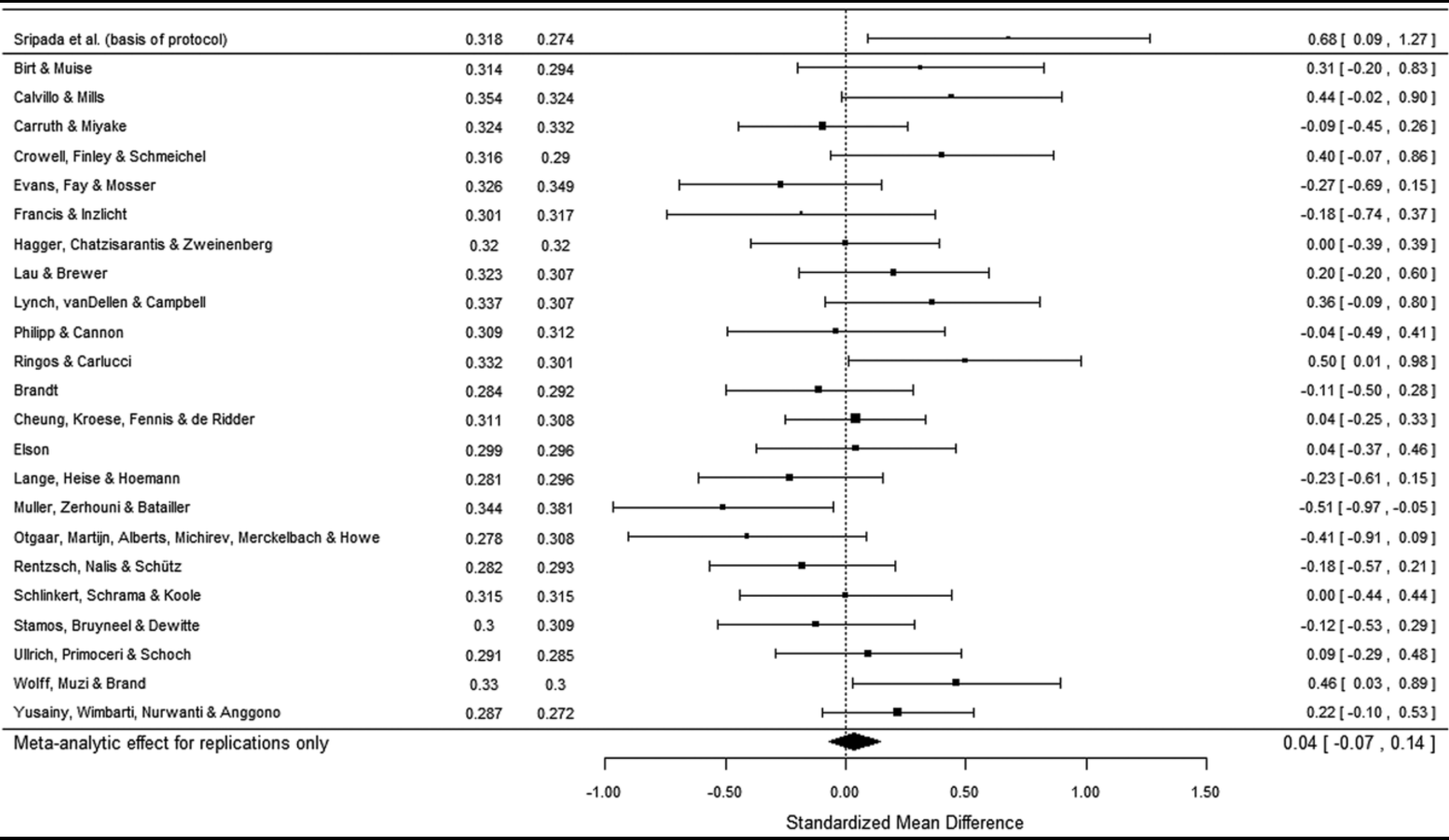
Registered Reports

<https://osf.io/8mpji>

ManyLab Registered Reports

Registered Replication Reports





Lessons Learned

<https://osf.io/view/StudySwap/>

StudySwap: A platform for interlab replication, collaboration, and research resource exchange



<https://psysciacc.wordpress.com/>



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