

Reproducibility Project: Psychology (Preliminary) Results

Elizabeth A. Gilbert
University of Virginia

Results Team

Andrew Gelman

Chris Hartgernink

Denny Borsboom

Deborah Mayo

Ed Cremata

Eric-Jan Wagenmakers

Frank Bosco

Frank Renkewitz

Fred Hasselman (Chair)

Jelte Wicherts

Johanna Cohoon

Marcel van Assen (Chair)

Marcus Munafo

Marie Deserno

Michele Nuijten

Marjan Bakker

Jamie DeCoster

Robbie van Aert

Riet van Bork

Predictions?



Predictions?



Predictions?

5%
(chance)

95%
(all replicable)



0%

100%

Predictions?

11-25%

(cancer biology;

Begley & Ellis, 2012; Bayer and Amgen)

5%

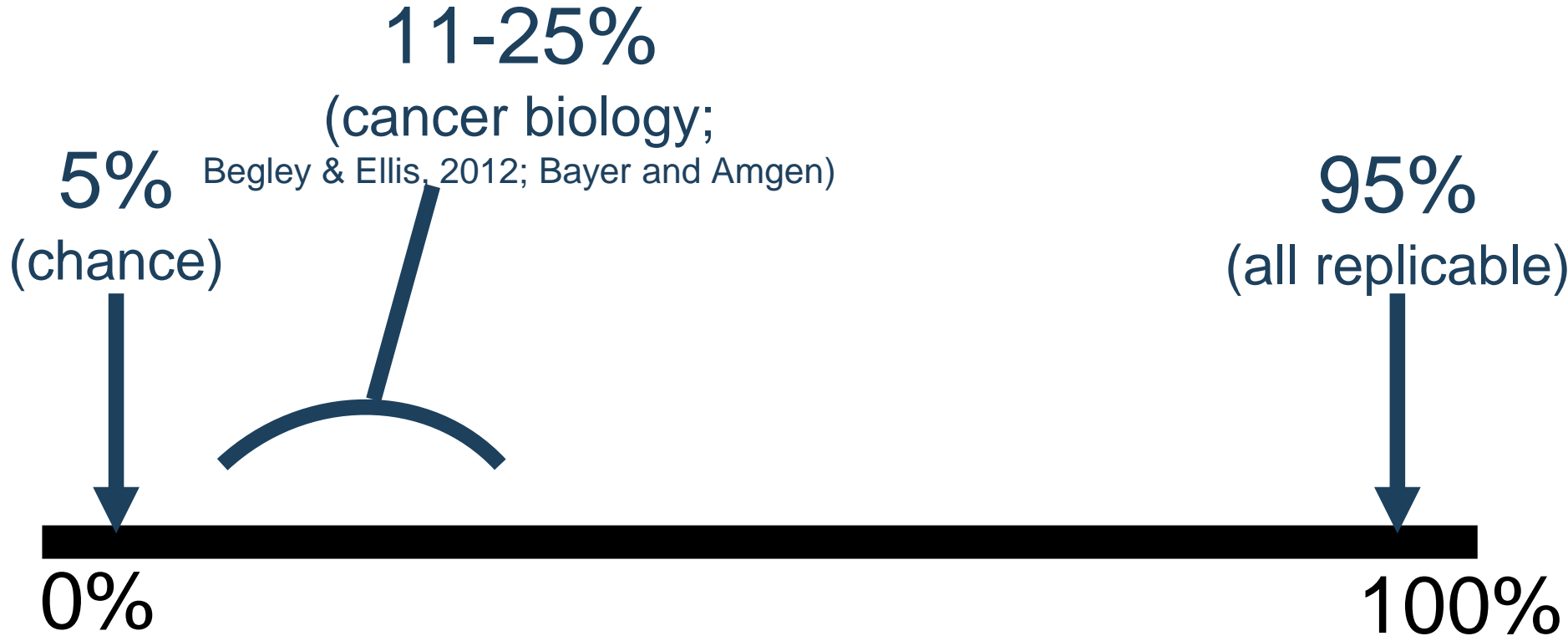
(chance)

95%

(all replicable)

0%

100%



What counts as a “replication”?

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I'll present:

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1. Effect itself against null (p-values)

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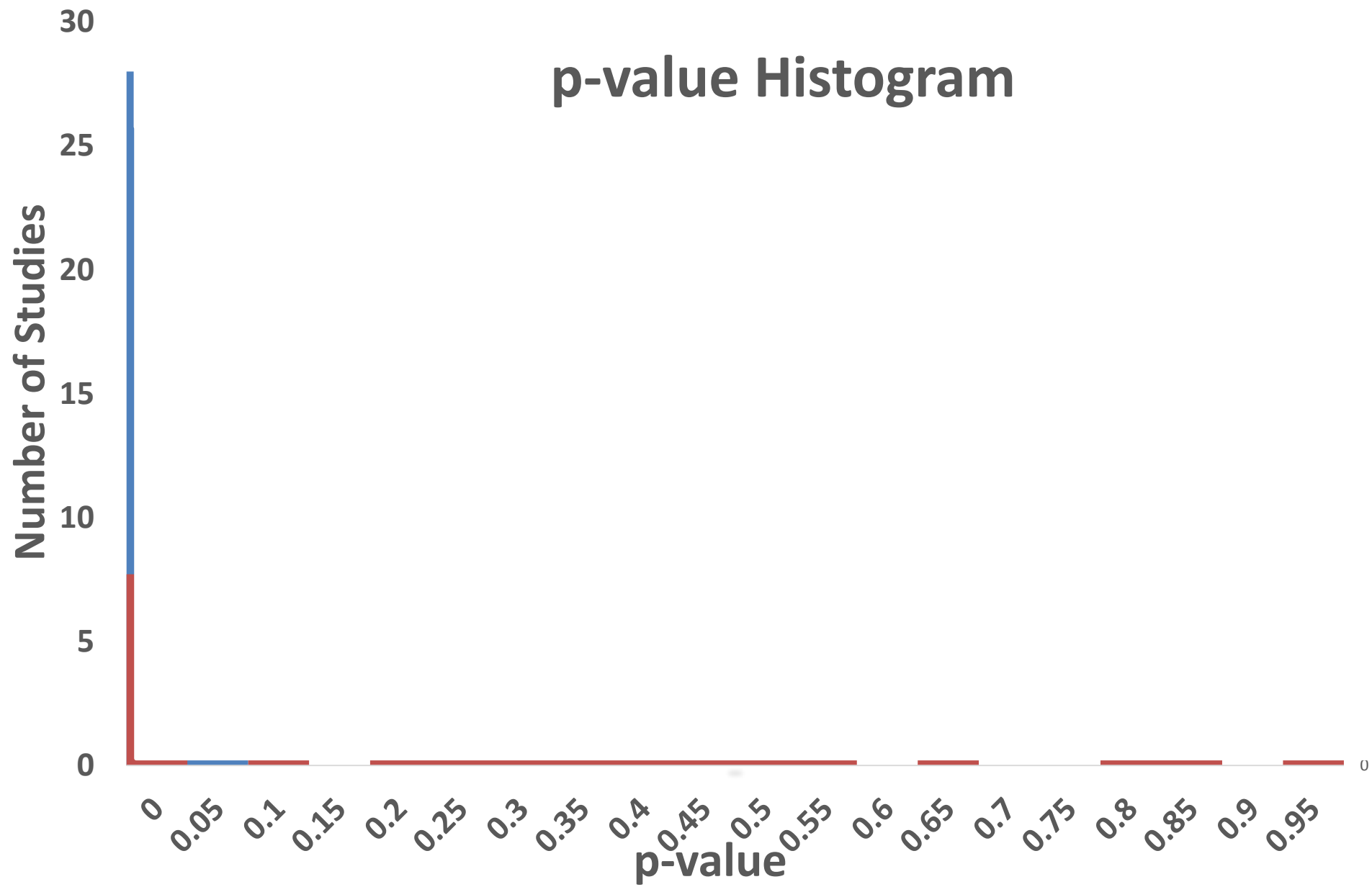
1. Effect itself against null (p-values)
2. Effect size comparison

What counts as a “replication”?

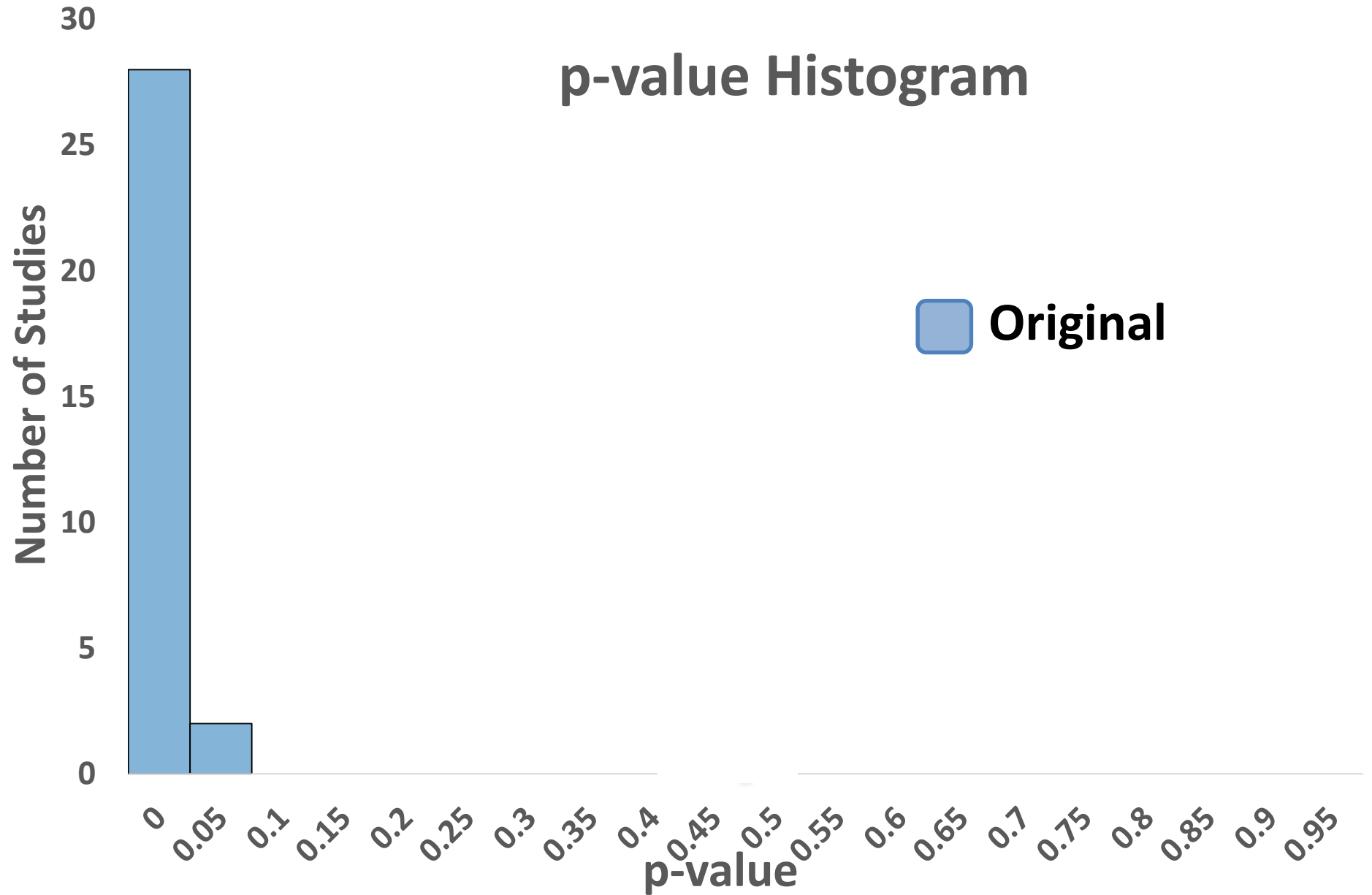
I'll present:

1. Effect itself against null (p-values)
2. Effect size comparison
3. Meta-analytic precision estimate

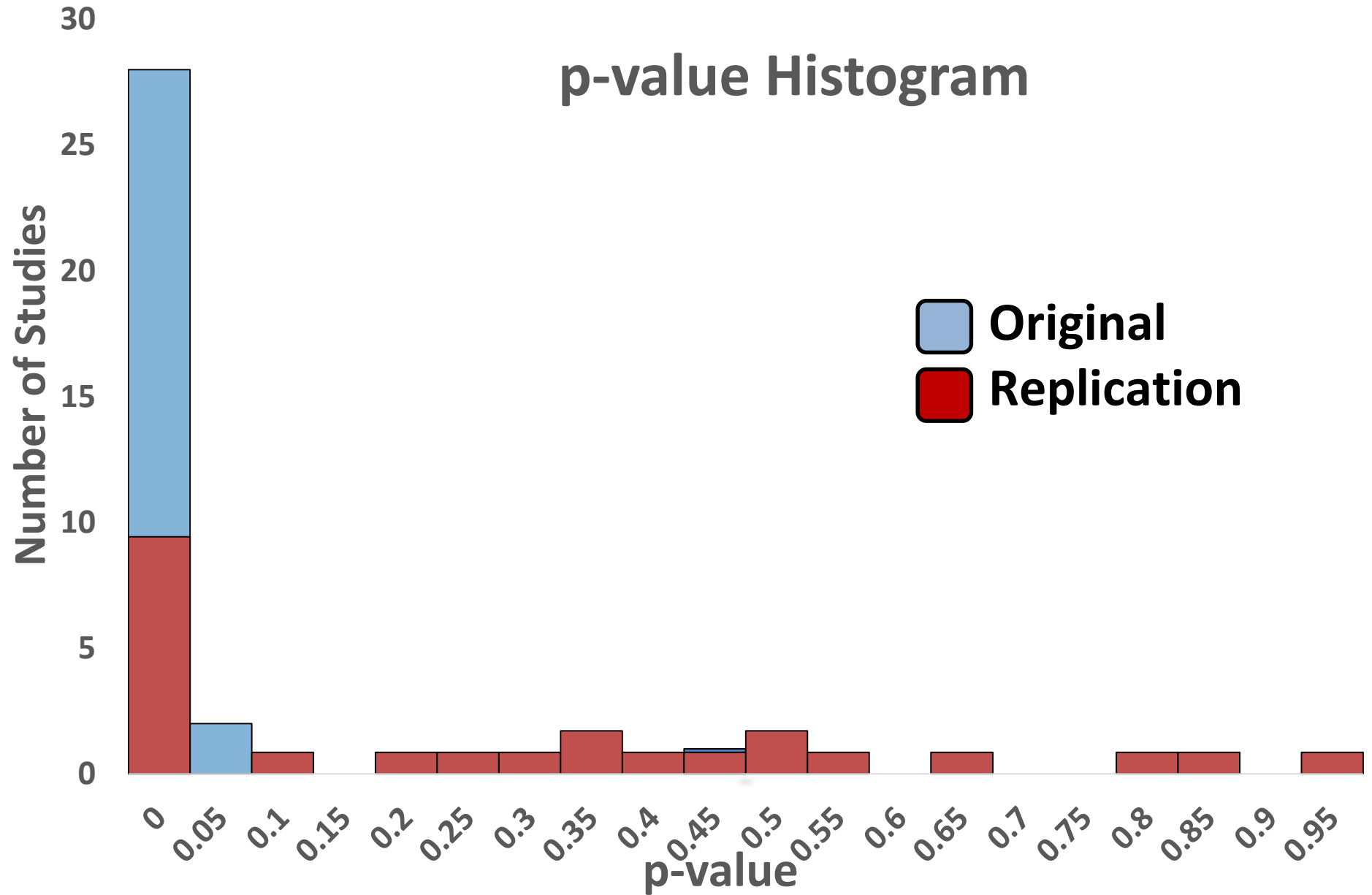
1. Effect itself against null

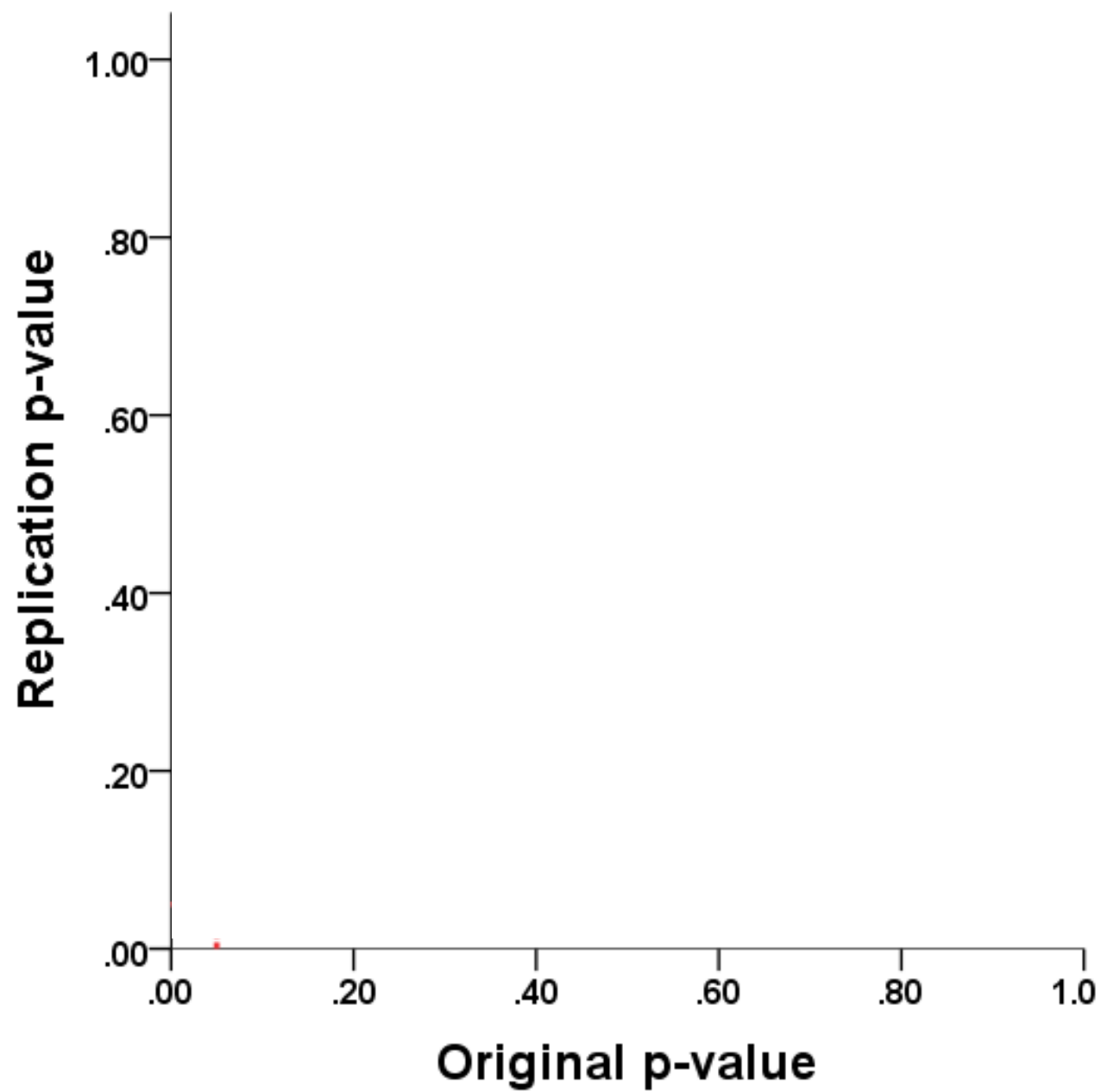


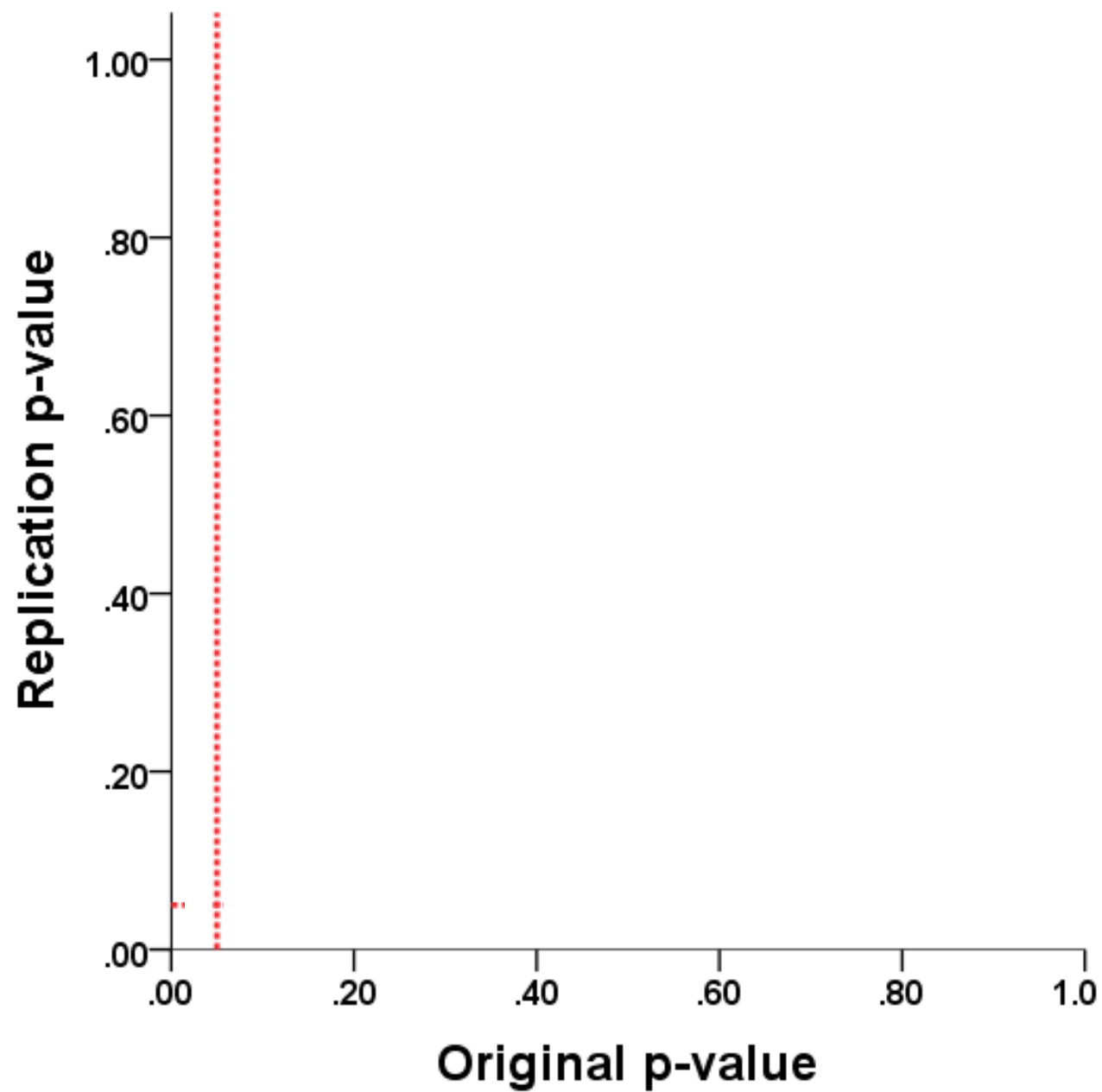
p-value Histogram

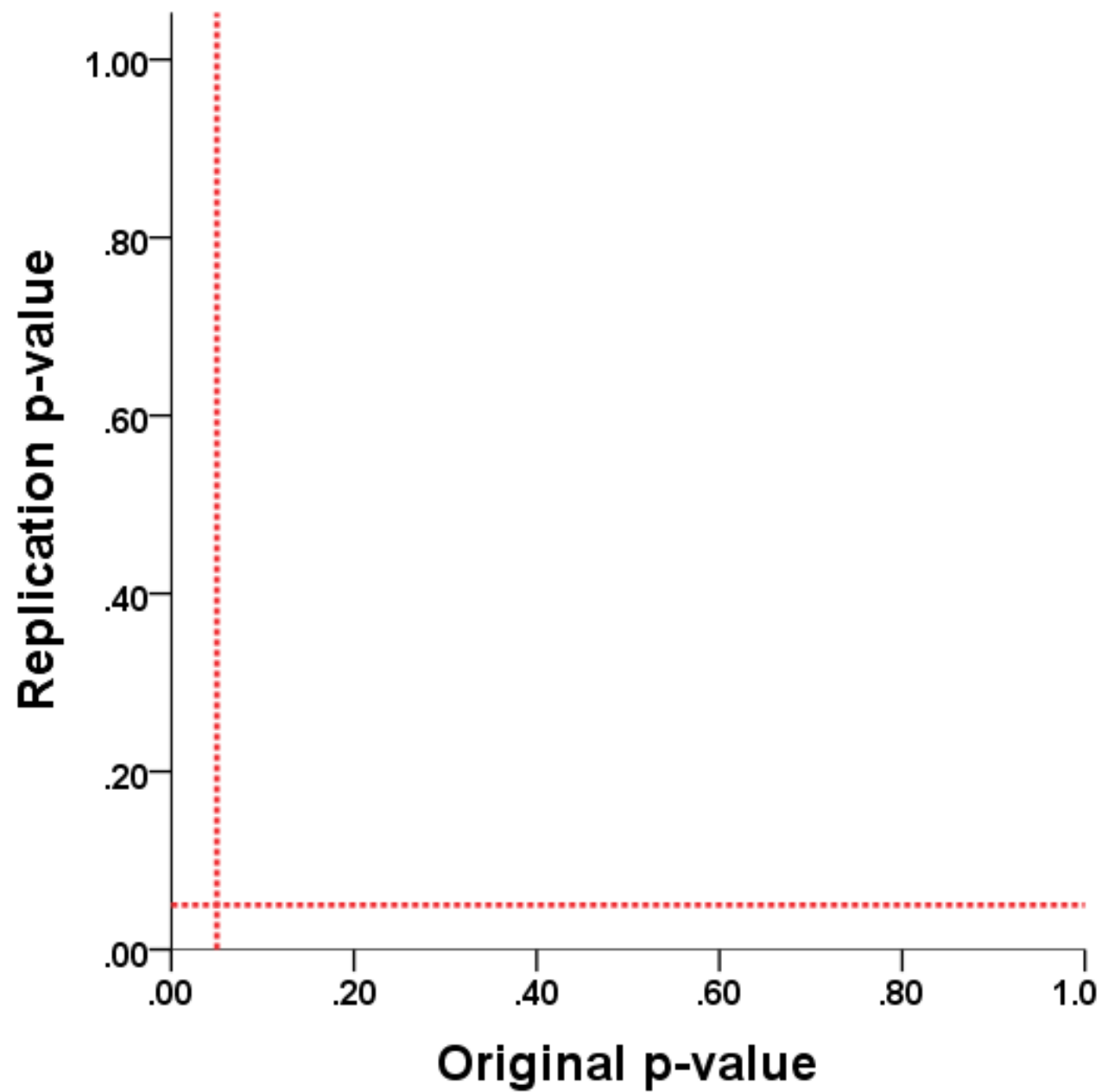


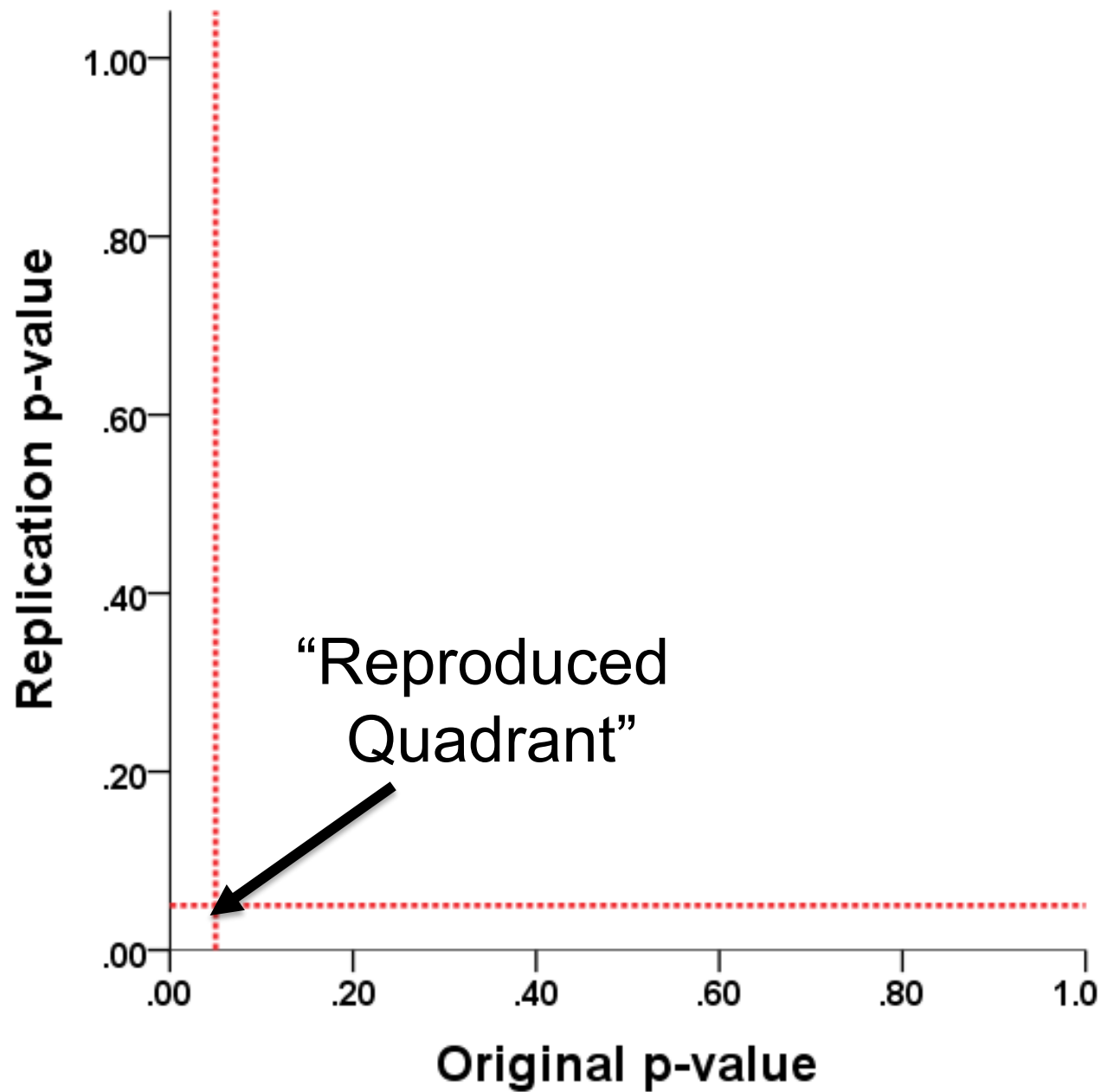
p-value Histogram

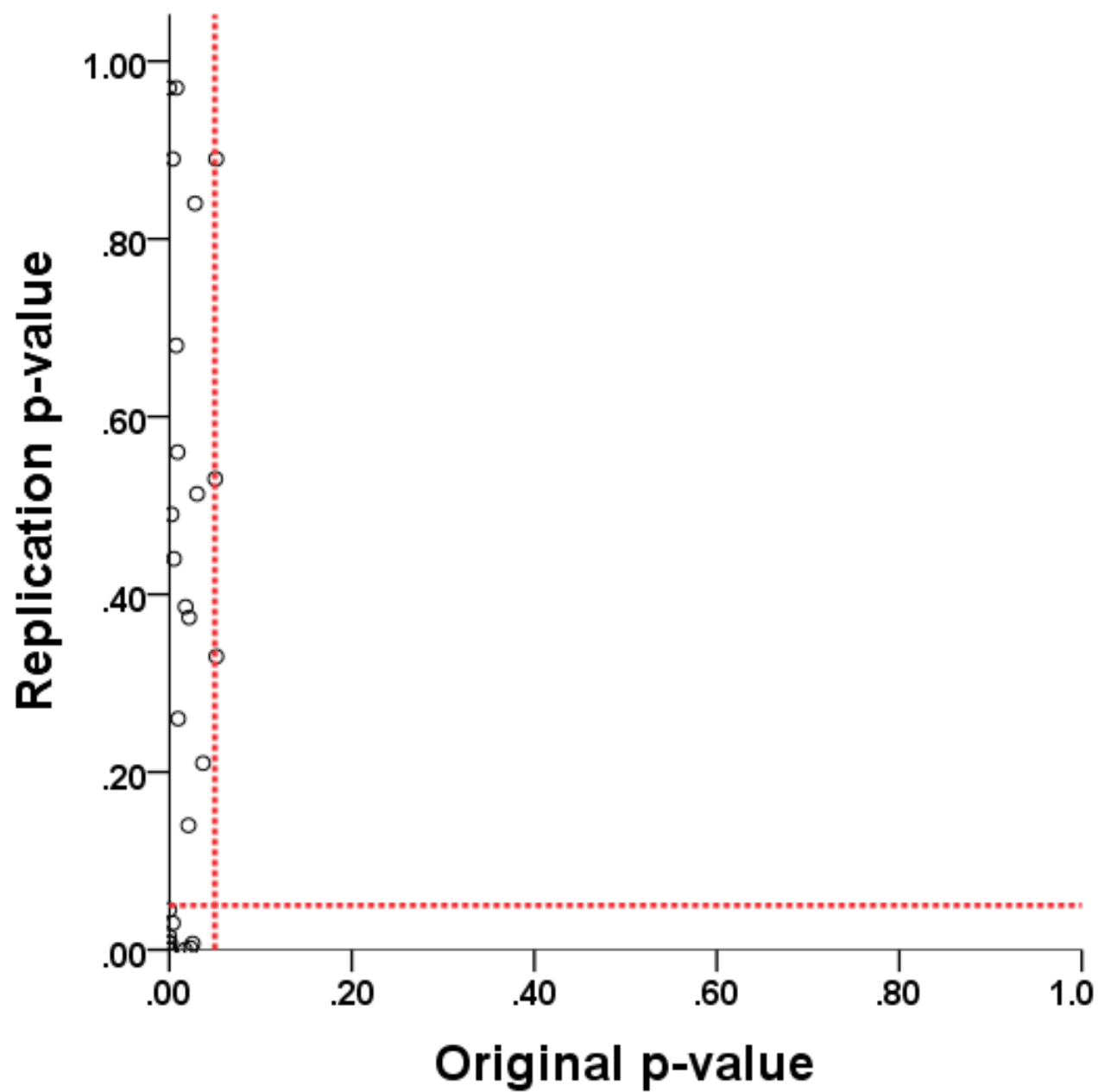


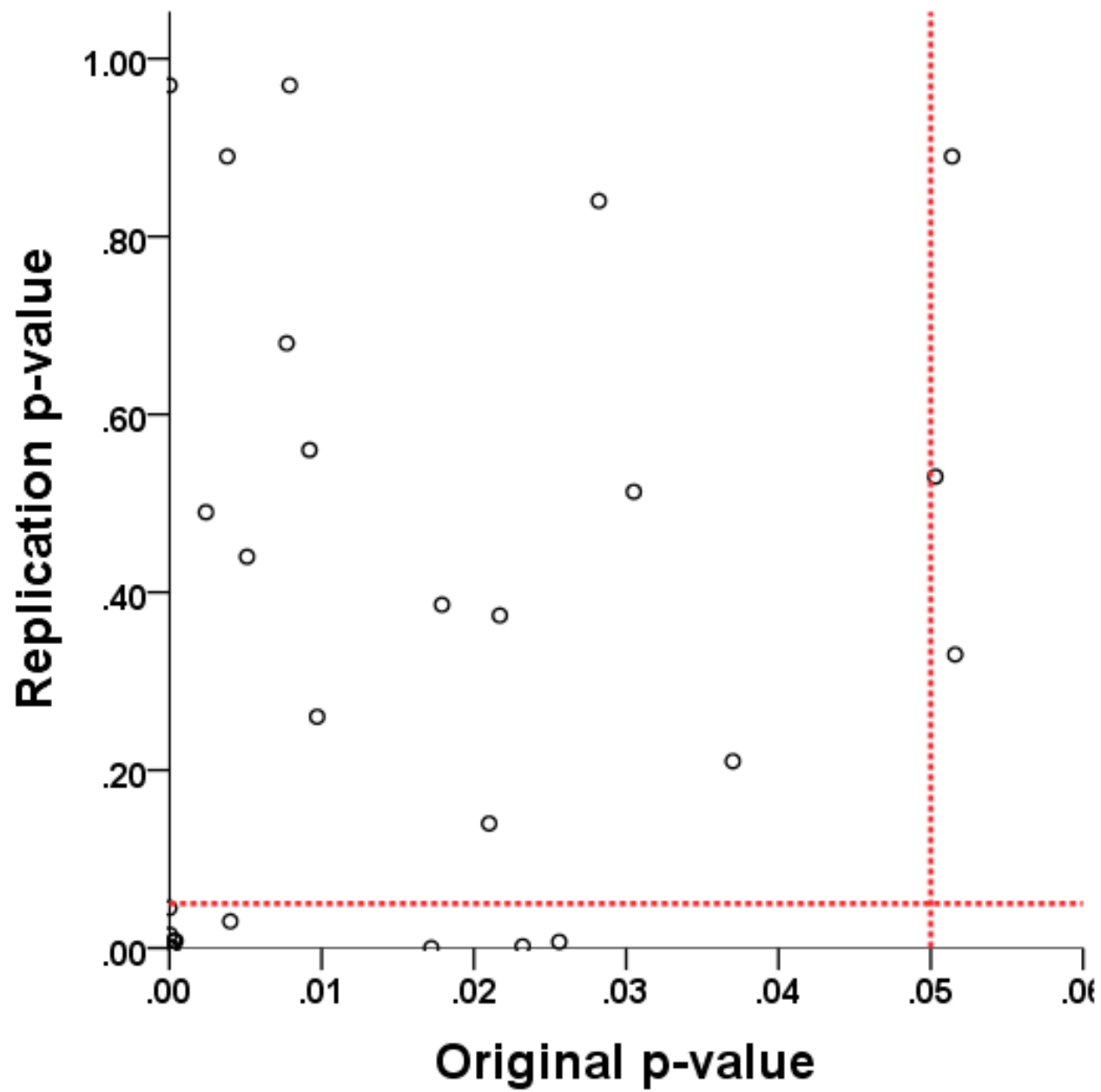


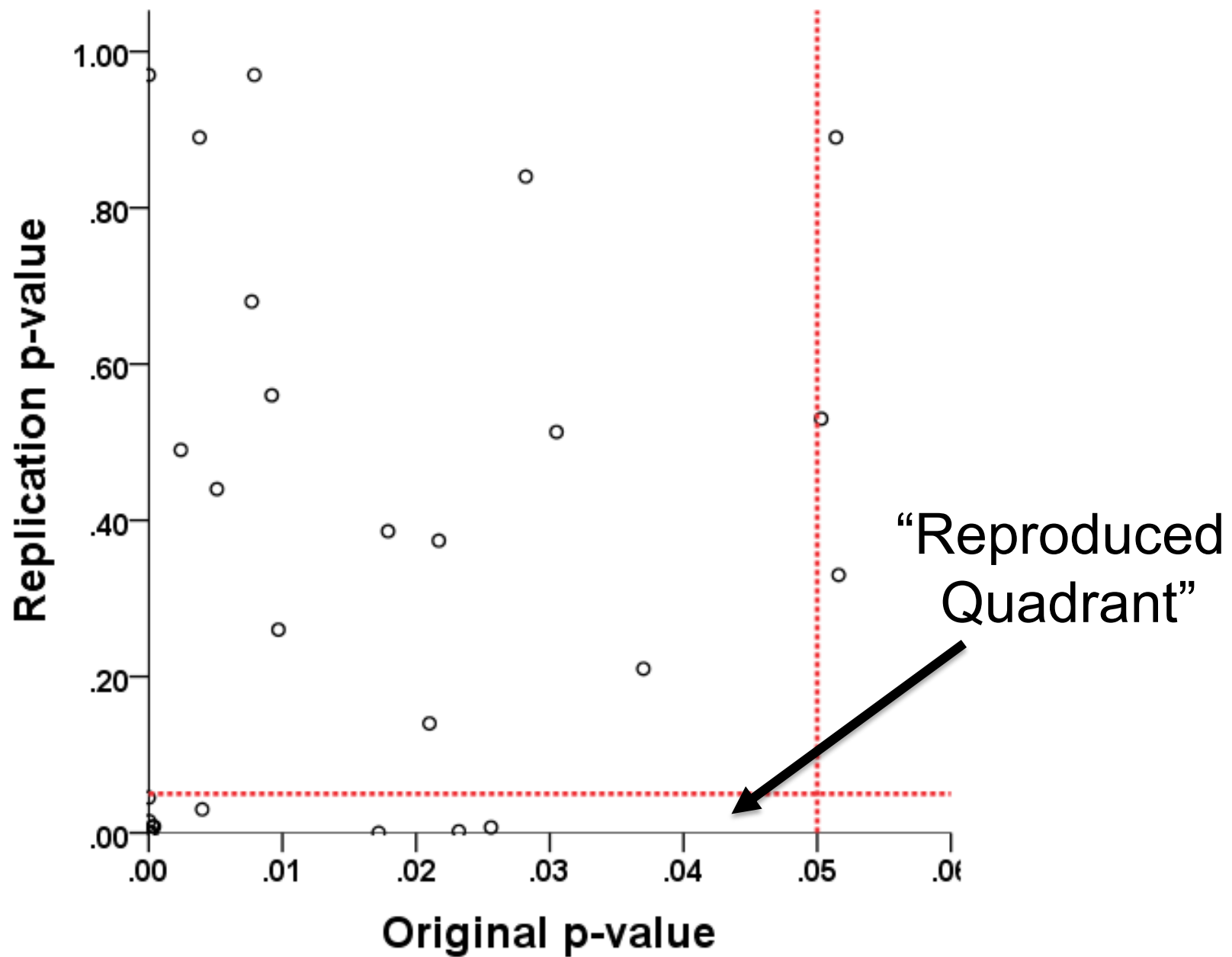


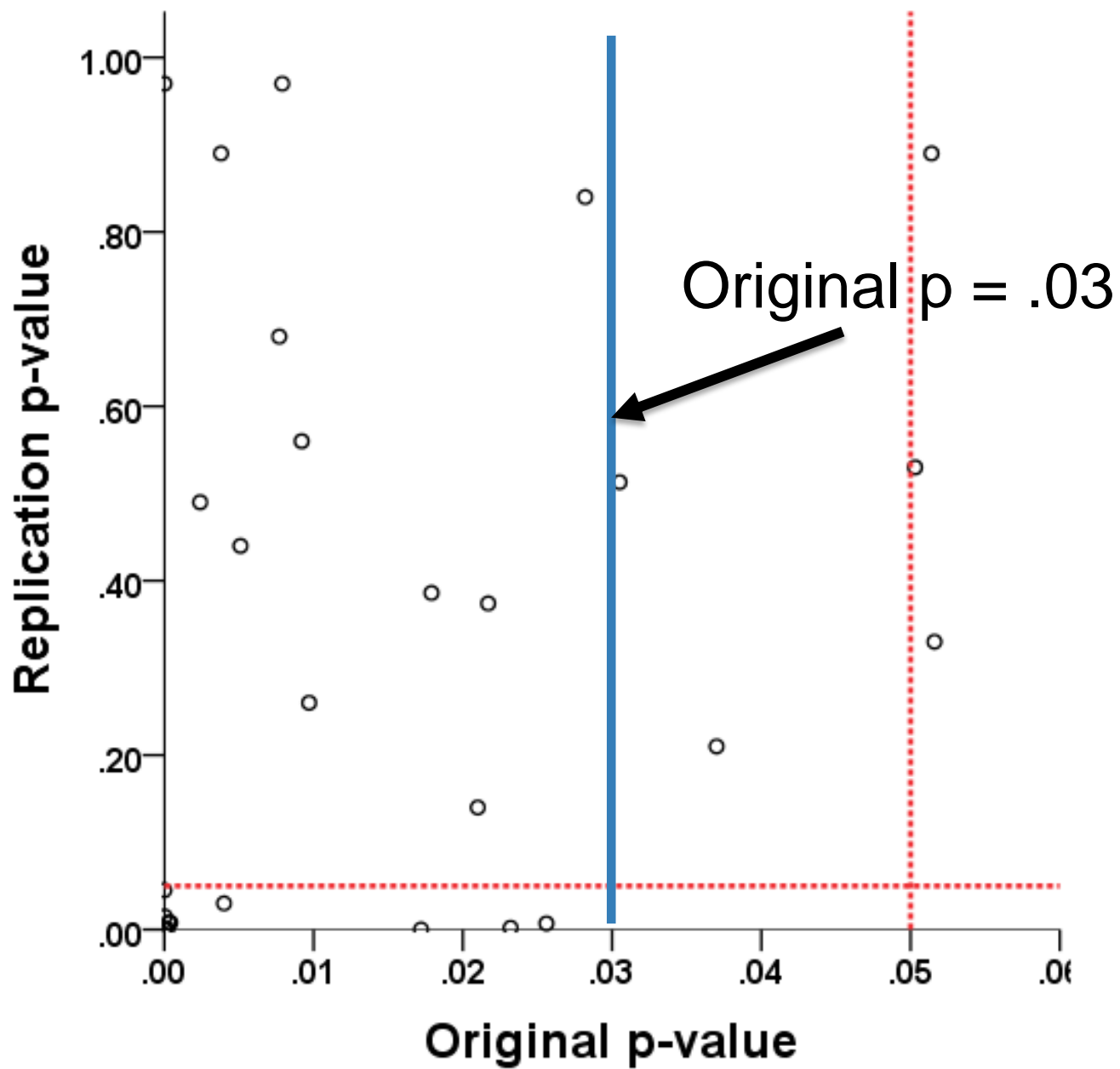


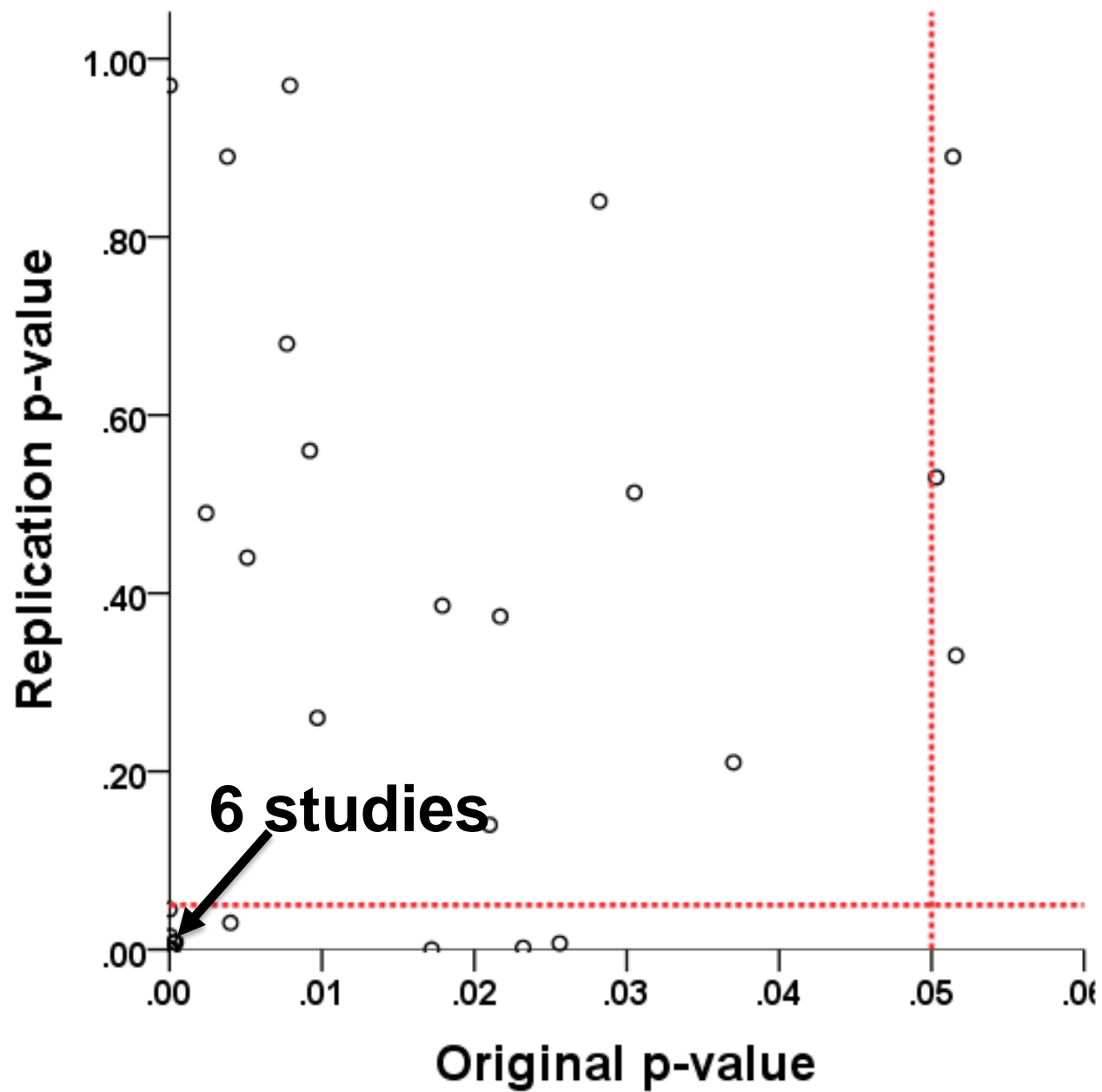


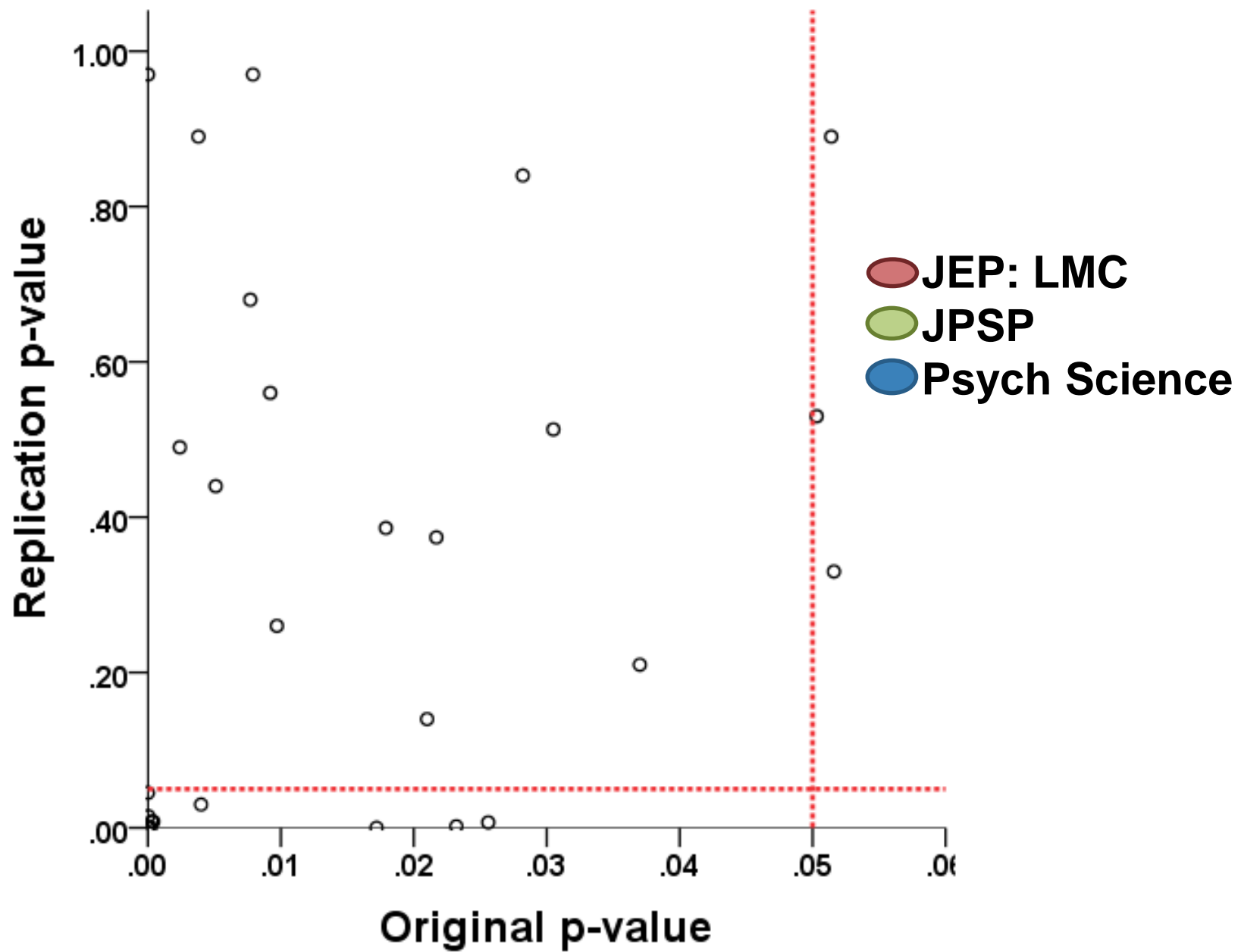


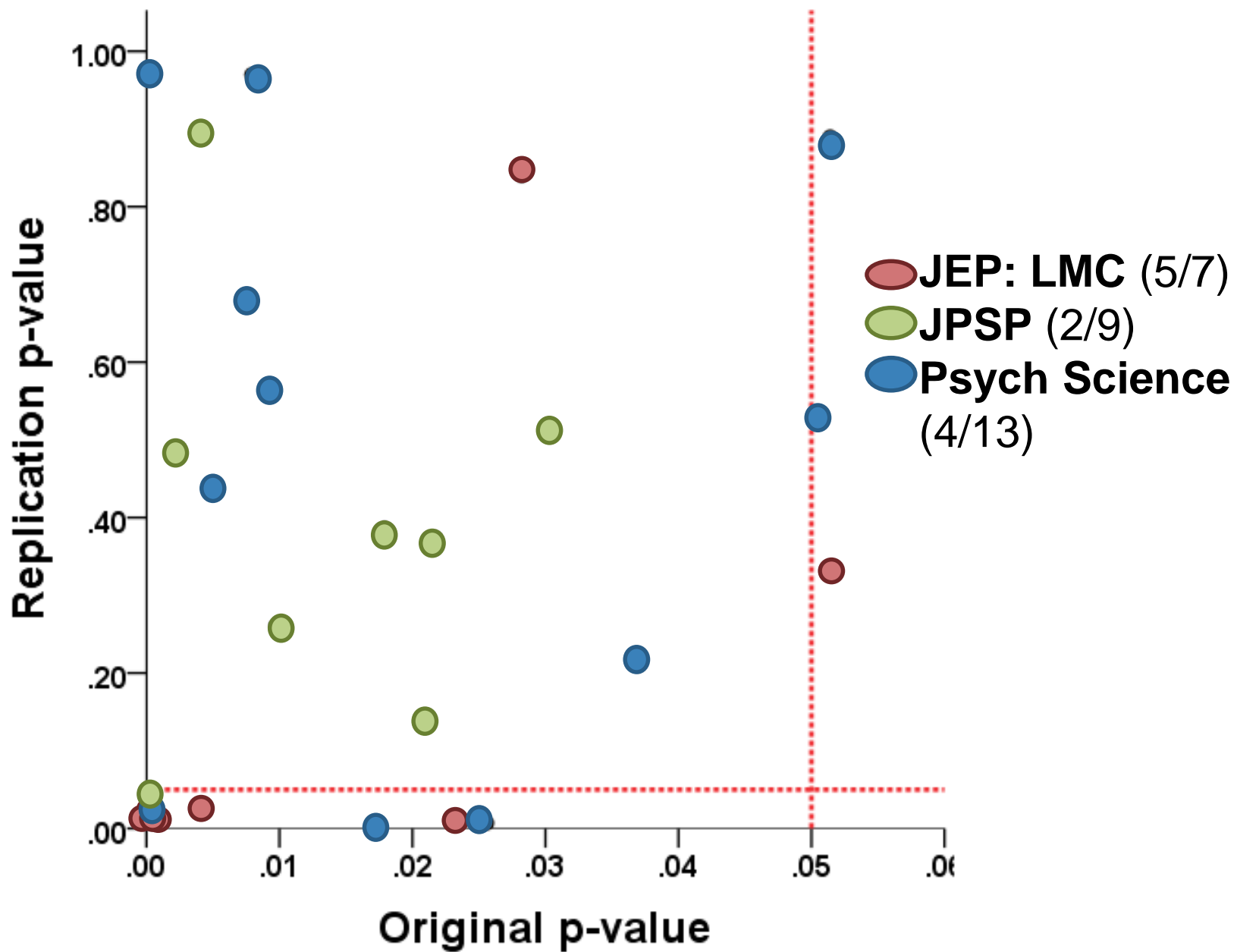




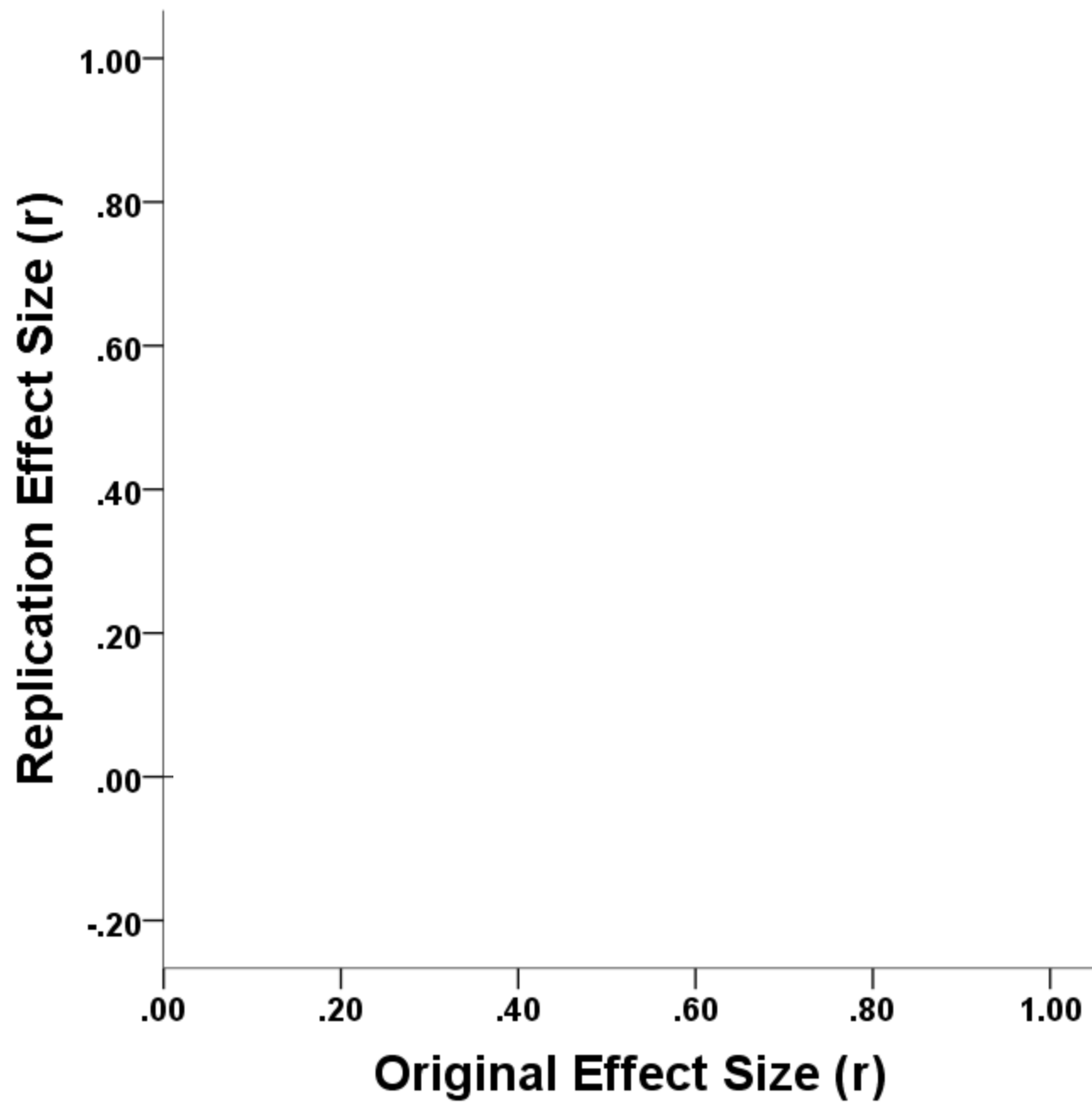


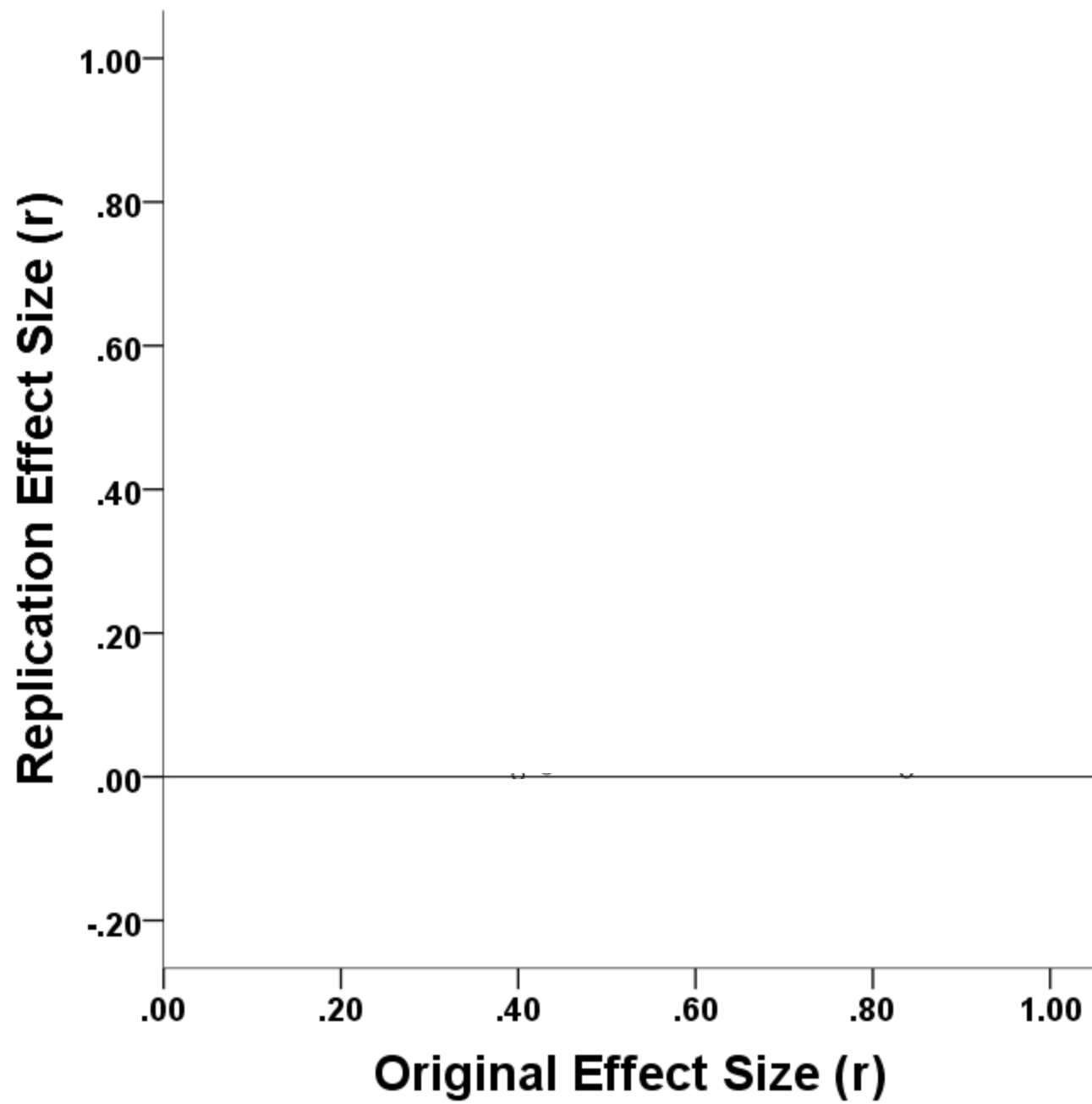


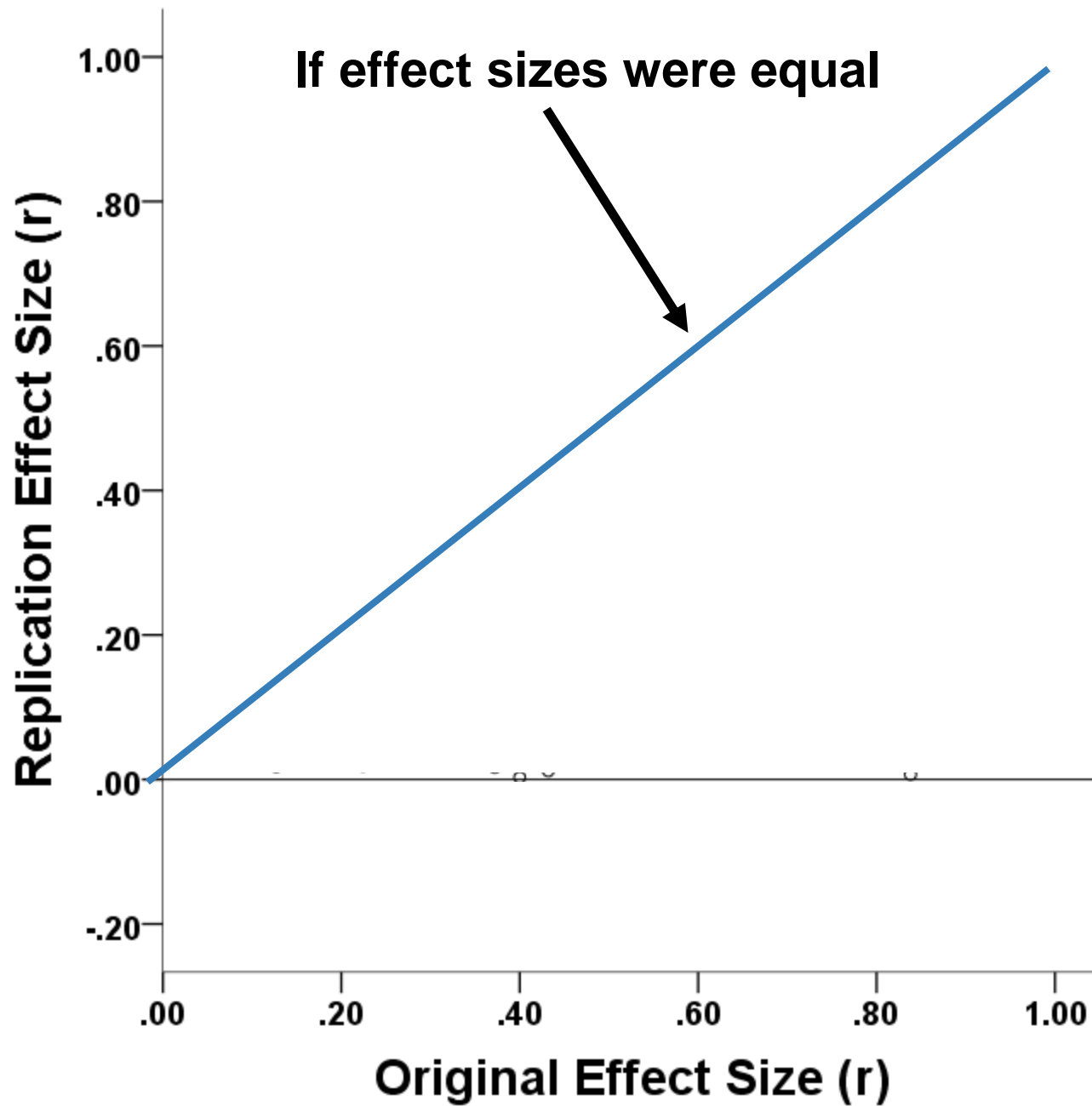


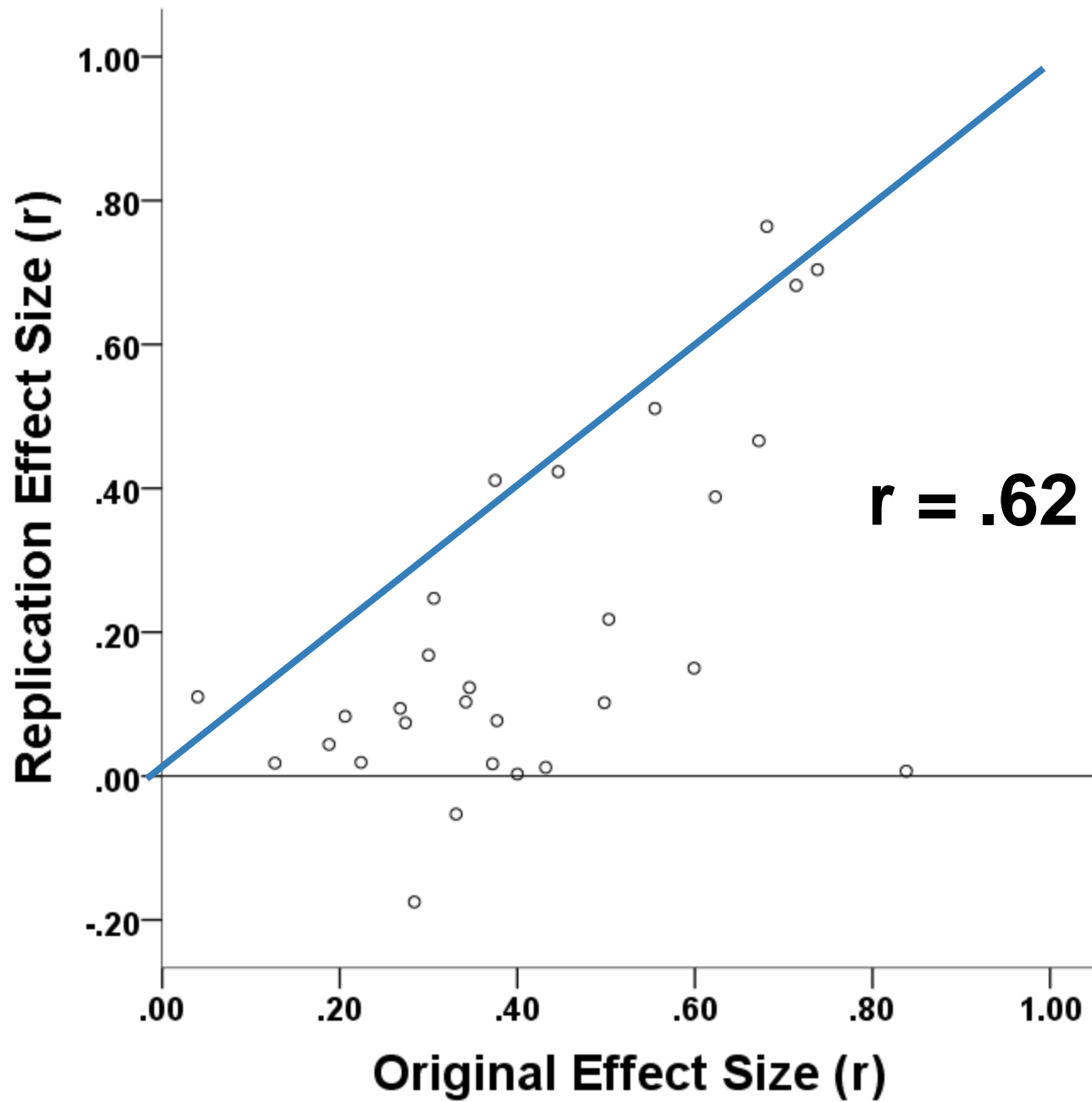


Next: Effect Sizes









3. Meta-analysis

-.25

.00

.25

.50

.75

r

-.25

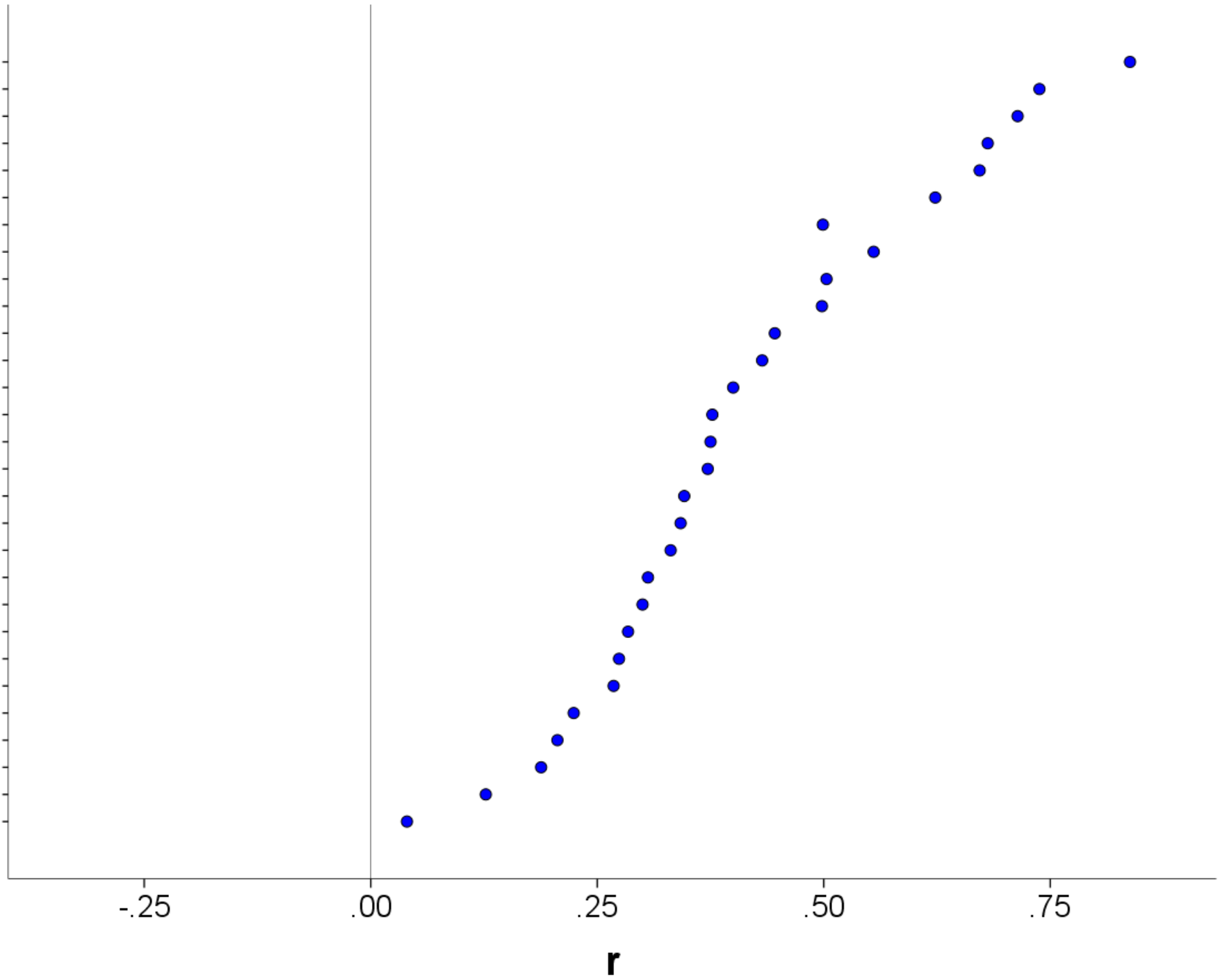
.00

.25

.50

.75

r



-0.25

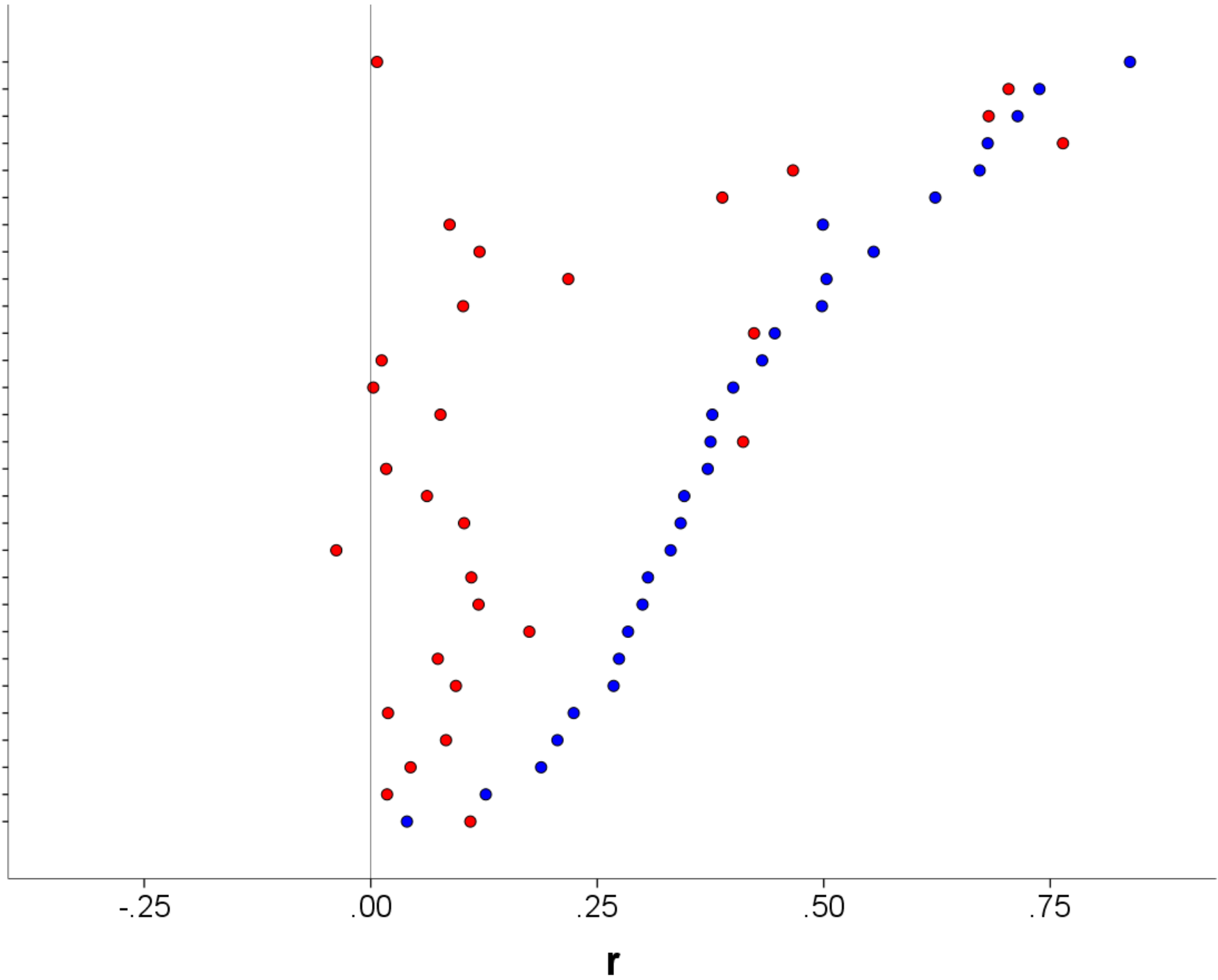
0.00

0.25

0.50

0.75

r



-.25

.00

.25

.50

.75

r

*A small error was found after the presentation. The replication value data point for this row should be negative, not positive.

