



## Reviews

Summary of reviewers notes and ratings on criteria.

### Underpowered Studies and Overrepresented Significant Findings in Educational Psychology: A Comprehensive Examination of Empirical Evidence

**Unit / Sub Division D - Measurement and Research Methodology / Division D - Section 2:**

**Unit: Quantitative Methods and Statistical Theory**

**Review Worksheet**

**(2/2)**

#### Review #2437778

Criteria	Rate
Objectives or purposes	4 / 5
Perspective(s) or theoretical framework	4 / 5
Methods, techniques, or modes of inquiry	4 / 5
Data sources, evidence, objects or materials	3 / 5
Results and/or substantiated conclusions or warrants for arguments/point of view	2 / 5
Scientific or scholarly significance of the study or work	3 / 5
Relationship to meeting theme	3 / 5

#### Comments to the Author/Submitter

The study is important in that this study evaluated power and potential false outcomes for meta-analysis using median retrospective power. However, the preliminary results didn't show the true positive rate (credibility) of meta analysis, which is an important result for the project.

#### Review #2437777

Criteria	Rate
Objectives or purposes	5 / 5
Perspective(s) or theoretical framework	5 / 5



Methods, techniques, or modes of inquiry	5 / 5
Data sources, evidence, objects or materials	5 / 5
Results and/or substantiated conclusions or warrants for arguments/point of view	5 / 5
Scientific or scholarly significance of the study or work	5 / 5
Relationship to meeting theme	2 / 5

### Comments to the Author/Submitter

This is very interesting work. I noticed that the median MRP of the studies included in correlation-based meta-analyses was estimated to be 95%, so I think it would be interesting to investigate why power was not an issue for correlation-based meta-analyses when it was such an issue for the SMD-based ones.

## Review Worksheet

(1/1)

### Review #2437768

Criteria	Rate
Objectives or purposes	4 / 5
Perspective(s) or theoretical framework	4 / 5
Methods, techniques, or modes of inquiry	4 / 5
Data sources, evidence, objects or materials	4 / 5
Results and/or substantiated conclusions or warrants for arguments/point of view	4 / 5
Scientific or scholarly significance of the study or work	5 / 5

### Comments to the Author/Submitter

The preliminary results are quite striking. Given the importance of this research, I am curious how the full results will pan out later.

