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# Meta-Analysis on the Effectiveness of Psychological Interventions: A Study on Replicability and Reproducibility

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### **Poster**

Psychological Interventions: A Study on Replicability and Reproducibility

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### **Abstract**

In recent years, the importance of meta-analyses has been highlighted within the context of evidence-based practice. The reproducibility and replicability of meta-analyses have become critical areas of research due to the inherent complexity in data extraction and analysis. Conducting a meta-analysis involves a series of methodological decisions and steps that can significantly influence the final results.

This study aims to assess the reproducibility and replicability of meta-analyses related to the effectiveness of psychological interventions.

The reproducibility and replicability of the results of 8 randomly selected meta-analyses were empirically evaluated from a pool of 100 meta-analyses published on the effectiveness of psychological interventions. Statistical data were extracted from individual studies, effect sizes for each individual study were calculated, meta-analytic computations were performed, and the results were compared with those of the original meta-analyses.

The potential implications of errors and inconsistencies in this process are analyzed.

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# **Keywords**

Meta-analysis, effect size, replicability

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