

Effect sizes for paired data should use the change score variability rather than the pre-test variability.

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Abstract

- ▶ Dankel, SJ and Loenneke, JP. Effect sizes for paired data should use the change score variability rather than the pre-test variability. J Strength Cond Res 35(6): 1773–1778, 2021—

What is effect size

- ▶ Blah Blah Blah (source in parentheses)
- ▶ how is it different from T test statistic
- ▶ where r they used? (meta analyses specifically for sports and exercise science)

Main Issue

In effect size calculations, people tend to use the wrong kind of variability in their calculations. What are the two different types?

Variability of the Study Sample

Represented by the Blah Blah. Dankel and his team claim that ...

Variability of the Intervention

Represented by the Blah Blah. Dankel and his team claim that

Authors

- ▶ Do research on the authors and what they have accomplished
- ▶ Which Journal was this published in
- ▶ Good example of the use of statistics as an interdisciplinary tool

Introduction

- ▶ Meta-analyses usually use 3 effect size measures:
 - ▶ Cohen's d
 - ▶ Hedge's g
 - ▶ Glass delta
 - ▶ Cite all of these next to the bullet points

References