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**Presenting evidence for the field that invented the randomized clinical trial.**

Dewar, Jacqueline M. (ed.) et al., Doing the scholarship of teaching and learning in mathematics. Washington, DC: The Mathematical Association of America (MAA) (ISBN 978-0-88385-193-7/pbk; 978-1-61444-318-6/ebook). MAA Notes 83, 117-123 (2015).

Summary: In this chapter the author raises difficult questions about the ethics of experimental design when investigating questions about student learning, which led him to forego the traditional approach of using a control group. This decision resulted in difficulties with getting his work published in statistics education journals, despite the work having received extremely positive feedback at conferences. He also discusses the meaning of reliability and validity in measurement and provides an example of a simple scheme for analyzing open-ended responses to surveys.

*Classification:* D20 D45 K75 K95 M65

*Keywords:* scholarship of teaching and learning; universities; educational research; questioning; experimental design; ethics; reliability in measurement; validity in measurement; statistics; data analysis; didactics of mathematics; educational diagnosis; analysis of learning outcomes; evaluation; teaching-learning processes; academic approach; professional development; peer review