

Review of: "Assessing students' attitudes and perceptions towards statistical literacy in a university system in a developing African country"

Peter A. Edelsbrunner¹

¹ Swiss Federal Institute of Technology, Zurich

Potential competing interests: No potential competing interests to declare.

The authors describe a study on the attitudes and perceptions of statistics in university students. In addition, they aim at identifying possible factors influencing these attitudes and perceptions.

This is a very well-written and informative contribution.

I see two main areas of improvement:

First, the vast literature on statistics anxiety and its precursors and outcomes is mostly neglected. For example, the research by Ruggeri (see his doctoral dissertation and all related articles; Ruggeri, D. A. (2010). *Statistics Anxiety and Attitudes Among Undergraduate Psychology Students* (Doctoral dissertation, Queen's University Belfast).) could be taken as a theoretical stepping stone.

Second, the factors influencing attitudes and perceptions of statistics that the authors have identified might be described as self-reported correlates, but they have not been examined within an experimental study design. Therefore, please reframe these factors as hypotheses that have to be further tested in future research, for example within longitudinal or experimental studies.

The facilitating conditions and further discussion points, including the proposed teaching, learning, and assessment framework for statistics education, as well as the policy and managerial implications, are incredibly informative, and I congratulate the authors on this very well-written article, combining mixed methods with wide-reaching perspectives.

Kind regards.