January 23, 2018

Dear Dr. Moustaki:

Please consider this manuscript, entitled “Beyond p-values: Utilizing Multiple Estimates to Evaluate Evidence” for publication at *Psychometrika.* This paper describes the use of multiple paradigms to create estimates of evidence—including Null Hypothesis Significance Testing, Bayes Factor comparisons, and a new Observation Oriented Modeling method—which is a timely and important discussion to all psychologists given the current focus on reproducibility and power. We also believe our paper would be of broad interest to your readers, especially in light of recent publications on the proposed change in significance levels. Additionally, we follow in line with APA’s focus on reproducibility and have published a completely reproducible manuscript on the Open Science Framework.

This study did not require IRB approval because it was a simulation study, and we did not undertake any original data collection. All our research practices were in compliance with the Standard 8 of the American Psychological Association’s Ethical Principles of Psychologists and Code of Conduct. My co-authors and I have no industry affiliations, and we have no conflicts of interest to disclose. There is no overlap between the contents of this manuscript and any other published materials or materials in press. This manuscript is not under review at any other journal. All authors have seen and approved this version of the manuscript.

Please let us know if there is any additional information we can provide and address all correspondence concerning this manuscript to me at kdvdnf@mail.missouri.edu. Thank you for considering our submission.

Sincerely,

Kathrene D. Valentine, Erin M. Buchanan, John E. Scofield, & Marshall Beauchamp