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Dear M(r)(s) Editor,

I hereby submit my manuscript entitled "On the statistical uncertainty of histograms in the Earth Sciences" to the Journal of Geophysical Research – Solid Earth. As the title of my manuscript suggests, it discusses a statistical problem that has applications in almost every aspect of the Earth Sciences. I think that JGR – Solid Earth is the best choice for its publication first of all because this journal has a diverse readership that is likely to use histograms on a regular basis. Secondly, my manuscript is quite technical, and few Earth Sciences journals other than JGR – Solid Earth publish such papers. Albeit technical, the method developed my the paper should be easy to apply even by those Earth Scientists with little or no prior statistical knowledge because it comes with a standalone computer program for the Macintosh and the PC. This program can be downloaded from the web (http://pangea.stanford.edu/research/noble/epdu).

Although almost any kind of Earth Scientist could use my findings, I think that my paper can be most readily used by sedimentary geologists and detrital thermochronologists, since the majority of the examples discussed in the paper deal with sedimentary rocks. The ideal reviewer for my manuscript should have a strong statistical background. For example:

Prof. Dr. Vera Pawlowsky-Glahn
University of Girona, Spain
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or:

Prof. Dr Hilmar von Eynatten
Geoscience Center Göttingen, Germany
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Sincerely Yours

Pieter Vermeesch