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Dr. A. F. Spilhaus, Jr.,
Editor in Chief, *Eos*

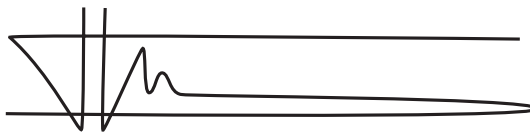
Dear Dr. Spilhaus,

I hereby submit my manuscript "Hypothesis testing in geology" for publication in *Eos*. The paper argues against the use of statistical hypothesis tests in the Earth Sciences. Geologists are increasingly relying on statistical tests for the interpretation of their analytical data. I believe that this is a dangerous trend, because there are trivial yet fundamental reasons why such tests are unsuitable for geology. During my research for this opinion piece, I discovered that similar letters have been published in other disciplines, such as econometrics and psychology. I believe that a similar warning for the Earth Sciences is long overdue. Although I am a geochronologist by training, I used a geophysical example in my article which might spark an interesting discussion by itself.

I am looking forward to hearing back from you.

Sincerely yours,

Pieter Vermeesch

A handwritten signature in black ink, consisting of a series of loops and a long horizontal stroke at the end, written over two horizontal lines.