

- [P Values vs Magnitude-based Inference](#): All new slideshow.
- [Journal Impact Factors 2017](#): Values from the Scopus database.  
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### P Values vs Magnitude-based Inference

**Will G Hopkins**, Institute of Sport Exercise and Active Living, Victoria University, Melbourne, Australia. [Email](#). Reviewer: Alan M Batterham, School of Health and Social Care, University of Teesside, Middlesbrough, UK. Sportsscience 21, i, 2017 (sportsci.org/2017/inbrief.htm#pVsMBI). Published May 2017. [©2017](#).

A [slideshow](#) explaining p values, magnitude-based inference (MBI), and the American Statistical Association's [policy statement](#) on p values is now available. The slideshow has the title of the In-brief item in last year's Sportsscience, [P Values Down But Not Yet Out](#), and it represents an elaboration of that item. The [slideshow](#) was presented at the [8th International Conference on Kinesiology](#) in Opatija, Croatia, May 10-14, 2017 and at various workshops subsequently.

#### Other resources on statistical inference

A one-hour lecture on [data analysis and interpretation](#) has an earlier summary of null-hypothesis testing and MBI.

The [article](#) describing the [spreadsheet to derive MBI from a p value](#) has a detailed explanation of clinical and non-clinical MBI. To derive MBI from a confidence interval use the [spreadsheet to combine/compare effects](#) (and read the accompanying [article](#)).

The first peer-reviewed [article on MBI](#) published here and in *International Journal of Sports Physiology and Performance* deals only with non-clinical inference.

The [article on progressive statistics](#) published here and in *Medicine and Science in Sports and Exercise* has a summary of MBI and much, much more.

### Journal Impact Factors 2017

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Download the [workbook \(28 KB\) of impact factors](#).

As noted in [a 2015 article](#), I have abandoned Thomson-Reuters' impact factors in favor of Elsevier's, which are derived from a bibliographic database (Scopus) more relevant to sport and exercise science, and which are freely available in a very large workbook (33 MB) at [Journal Metrics](#). Elsevier refers to the impact factor

as the *CiteScore*, but it is calculated in the same manner as the traditional impact factor. I have extracted the values for our journals into a user-friendly small [workbook](#) (28 KB), which has spreadsheets sorted by journal title and by 2016 impact factor. As of last year I will not be writing a full article on the impact factors.