

For the 80th
Anniversary of
the Founding
of Psychome-
trika: The Ten
Most Highly
Cited
Psychometrika
Articles, Part
II

Part II Session
Chair, Willem
Heiser

For the 80th Anniversary of the Founding of Psychometrika: The Ten Most Highly Cited Psychometrika Articles, Part II

Part II Session Chair, Willem Heiser

Thursday, July 14, 4:10–5:40

Psychometric Society, Asheville, NC, July, 2016

Five of the Ten Most Cited Psychometrika Articles (1936–2001)

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Johnson, S. C. (1967). Hierarchical clustering schemes. *Psychometrika*, 32, 241–254. (3755 citations as of 4/1/2016)

Kaiser, H. F. (1958). The varimax criterion for analytic rotation in factor analysis. *Psychometrika*, 23, 187–200. (5237 citations as of 4/1/2016)

Kaiser, H. F. (1974). An index of factorial simplicity. *Psychometrika*, 39, 31–36. (6043 citations as of 4/1/2016)

Kruskal, J. B. (1964). Multidimensional scaling by optimizing goodness of fit to a nonmetric hypothesis. *Psychometrika*, 29, 1–27; Nonmetric multidimensional scaling: A numerical method. 29, 115–129. (5773 citations as of 4/1/2016)

Tucker, L. R, & Lewis, C. (1973). A reliability coefficient for maximum likelihood factor analysis. *Psychometrika*, 38, 1–10. (4094 citations as of 4/1/2016)

Order of Speakers

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Lawrence Hubert on Johnson (1967)

Online comments by Lawrence Hubert

Jacqueline Meulman on Kruskal (1964)

Online comments by Jacqueline Meulman

Charles Lewis on Tucker and Lewis (1973)

Online comments by Charles Lewis

Willem Heiser on Kaiser (1958) and Kaiser (1974)

Online comments on Kaiser (1958) by Henk Kiers; online
comments on Kaiser (1974) by Anonymous

Some Additional Resources for the 80th Anniversary of Psychometrika

For the 80th Anniversary of the Founding of Psychometrika: The Ten Most Highly Cited Psychometrika Articles, Part II

Part II Session Chair, Willem Heiser

The ten most highly cited articles are available in a directory at the following URL:

cda.psych.uiuc.edu/psychometrika_highly_cited_articles

A list of highly-cited *Psychometrika* articles with at least 500 citations according to Google Scholar as of April, 2016 (list compiled by Lawrence Hubert and Willem Heiser):

cda.psych.uiuc.edu/classic_psychometrika_articles_april_2016.pdf

A Creation Narrative for the Psychometric Society and
Psychometrika: In the Beginning There Was Paul Horst
(Willem Heiser and Lawrence Hubert):

`cda.psych.uiuc.edu/psychometric_creation_
narrative_revision.pdf`

An article on the development of the Method of Principal
Components and the connection to *Psychometrika*: Whence
Principal Components? (Lawrence Hubert):

`cda.psych.uiuc.edu/hotelling_principal_components.
pdf`