

# Call for Papers

## “Big Data in Psychology: Methods and Applications”

A Topical Issue of the *Zeitschrift für Psychologie*

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An associated conference will take place at ZPID – Leibniz Institute for Psychology Information in Trier, Germany, on June 7–9, 2018. For further details, see: <http://bigdata2018.leibniz-psychology.org>

### Focus of the Topical Issue, Aims, and Scope

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The availability of Big Data is more and more common in many fields including business, computer science, government, social and behavioral sciences, and psychology. Since it is hard to clearly define what Big Data is, we do not impose a strict definition of Big Data in this topical issue.

There are three key characteristics that may qualify data as Big Data, namely *Volume*, *Velocity*, and *Variety*. High-volume data refers to the size of the dataset; if it is too large that may lead to problems with storage and analysis. High-velocity data means that the data come at a high rate and/or have to be processed within a short period of time (e.g., real-time and interactive processing). High-variety data are those consisting of many types of structured and unstructured data with a mix of text, pictures, videos, and numbers. Another characteristic for Big Data is the veracity, which indicates the importance of the quality (or truthfulness) of data. Some examples of Big Data that may be relevant for psychology are social media data, health/physiological tracker data, geolocation data, dynamic public records, travel route data, and behavioral and genetic data. Papers submitted to this topical issue may focus on one or more of these Big Data features.

The overall aim of this topical issue is to address methods and applications using Big Data in psychology. The topics covered may address (but are not limited to):

- Methodological and statistical issues in collecting, handling, processing, and analyzing Big Data in psychology.
- Applications and illustrations of how Big Data are used to address psychological research questions.
- Psychological interventions making use of Big Data.
- Inference models taking Big Data into account.
- Comparison of Big Data with “traditional” data sources (e.g., self-reports, peer-reports, etc.).
- Combining traditional data sources with Big Data.
- Implications of Big Data for research infrastructures in psychology and related areas.

### How to Submit

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There is a two-stage submissions process. Initially, interested authors are requested to submit extended abstracts of their proposed papers. Authors of the selected abstracts will then be invited to submit full papers. All papers will undergo blind peer review.

### Stage 1: Structured Abstract Submission

Authors interested in this special issue must submit a structured abstract of the planned manuscript before submitting a full paper. The goal is to provide authors with prompt feedback regarding the suitability and relevance of the planned manuscript to the special issue.

**The deadline for submitting structured abstracts is  
November 15, 2017.**

Feedback on whether or not the editors encourage authors to submit a full paper will be given by December 15, 2017.

**Submission Guidelines for Structured Abstracts**

Structured abstracts should be within four pages and may encompass information on each of the following headings: (a) Background, (b) Objectives, (c) Research question(s) and/or hypothesis/es, (d) Method/Approach, (e) Results/Findings, (f) Conclusions and Implications (expected).

Structured abstracts should be submitted by e-mail to both guest editors at E-mail [mikewlcheung@nus.edu.sg](mailto:mikewlcheung@nus.edu.sg) and E-mail [S.Jak@uva.nl](mailto:S.Jak@uva.nl).

There will be an international conference on “Big Data in Psychology: Methods and Applications” at ZPID – Leibniz Institute for Psychology Information in Trier, Germany, on June 7–9. Authors who are encouraged to submit a full paper will be invited to present their manuscripts at the conference. Further information about the event can be found here: <http://bigdata2018.leibniz-psychology.org>

**Stage 2: Full Paper Submission**

For those who have been encouraged to submit a full paper,

**the deadline for submission of manuscripts is  
February 28, 2018.**

Full manuscripts will undergo a blind peer-review process.

**Submission Guidelines for Full Papers**

Maximum 7,000 words (approx. 50,000 characters, including spaces) in 12-point Times New Roman font, formatted in APA style (<http://www.apastyle.org/>), A4 paper format, 1-inch margins. Figures should be in grayscale only.

The title page should contain title, authors, and affiliations, including a complete address for correspondence (including e-mail address). An abstract of 150 words or less and a list of up to five keywords should follow the title page.

On page 3 of the manuscript, repeat the title, but not the names, to permit anonymity during the reviewing process. Please do not include any footnotes at the bottom of the pages or at the end of the text.

**Timeline**

- November 15, 2017: Extended abstract submissions due;
- December 15, 2017: Feedback to authors of extended abstracts due;
- February 28, 2018: Full paper submissions due;
- March 15, 2018: Invitation to present at conference in Trier due;
- May 31, 2018: Feedback to authors of full paper submissions due;
- June 7–9, 2018: International conference on “Big Data in Psychology: Methods and Applications” at ZPID – Leibniz Institute for Psychology Information, Trier, Germany. Further information about the event can be found here: <http://bigdata2018.leibniz-psychology.org>
- August 30, 2018: Revised manuscripts due;
- September 30, 2018: Editorial decision about acceptance/refusal of revised papers due;
- October 10, 2018: Final manuscripts due;
- 2018/2019: Publication of special issue.

**About the Journal**

The *Zeitschrift für Psychologie*, founded in 1890, is the oldest psychology journal in Europe and the second oldest in the world. One of the founding editors was Hermann Ebbinghaus. Since 2007 it is published in English and devoted to publishing topical issues that provide state-of-the-art reviews of current research in psychology.

For detailed author guidelines, please see the journal’s website at [www.hogrefe.com/j/zfp](http://www.hogrefe.com/j/zfp)