



## New Methods and Assessment Approaches in Intelligence Research

Guest Editors:

**Prof. Dr. Ulrich Schroeders**

**Prof. Dr. Gizem Hülür**

**Prof. Dr. Andrea Hildebrandt**

**Prof. Dr. Philipp Doeblér**

Deadline for manuscript  
submissions:

**closed (4 March 2020)**

### Message from the Guest Editors

We want to summarize recent and ongoing methodological advances inspiring intelligence research and facilitating thinking about new theoretical perspectives. This Special Issue will include contributions that:

1. take advantage of auxiliary data usually assessed in technology-based assessment (e.g., reaction times, GPS data) or take a mobile sensing approach to enriching traditional intelligence assessment;
2. study change or development in (intensive) longitudinal data with time series analysis, refined factor analytic methods, continuous time modeling, dynamic structural equation models, or other advanced methods of longitudinal data modeling;
3. examine the structure of and change in cognitive abilities with network analysis and similar recently popularized tools; and
4. use supervised and unsupervised machine learning methods to analyze so-called Big Data in the field of intelligence research.

