**Call for** [***Assessment***](https://journals.sagepub.com/home/asm)**Special Issue:**

**Artificial Intelligence in Psychological Assessment Research and Practice: Techniques and Applications**

**Editors**

**Editor-in-Chief**

* Leonard Simms, Ph.D.

**Special Issue Editors**

* Adam P. Natoli, Ph.D.
* Joshua R. Oltmanns, Ph.D.

**Details**

Artificial intelligence (AI) has the potential to improve the comprehensiveness and accessibility of psychological assessment. Advances in machine learning, deep learning, natural language processing, computer vision, and generative AI can aid in testing, test development and evaluation, and data collection and analysis. These techniques may provide ambulatory and automatic tools that psychologists can harness to increase scalability of assessment in research and practice. Strategic, human-centered, and ethical integration of AI into psychological assessment is becoming increasingly more achievable. Yet, the research literature dedicated to the techniques and applications of AI in psychological assessment is just beginning to emerge.

The purpose of this special issue is to introduce diverse AI methods and provide foundational articles specifically in the context of psychological assessment in a manner accessible for assessment psychologists, researchers, and students. The goal is to facilitate applications of AI in psychology research and practice through increasing readers’ familiarity with AI and their ability to employ it, and to ultimately spark new ideas and expand the number of assessment researchers and psychologists leveraging AI in this area.

We seek papers for this special issue that would introduce/discuss one or more applications of AI in the context of psychological assessment, perhaps followed by an educational demonstration of that technique, preferably accompanied by supplementary materials that would assist readers in using the technology in their own work (e.g., annotated code, open-source data).

Although we are open to other topics, we are interested in the general use of AI – all inclusive – to investigate the following topics, as well as theoretical or review articles discussing these areas:

* Automated processing of assessment-related language or test data.
* Test administration and/or scoring, symptom tracking, and/or clinical outcome prediction in applied situations (e.g., record review, treatment decisions, designing test battery).
* Test bias detection and investigation.
* Multi-modal models of behavioral features to assess psychological constructs.
* Adaptive testing, human-AI collaboration, cross-cultural test adaptation, or real-time feedback during assessments.
* Ethical and legal implications of AI in psychological assessment (privacy, transparency, fairness in AI-based assessments).
* Data augmentation and simulation in assessment research (generating synthetic datasets for research and training purposes).

**Abstract proposals for candidate manuscripts are requested by July 21, 2025**

Focus on the utility of AI for assessment generally is not necessary in the abstract. Instead, we ask authors to focus on their proposed paper’s concept and to clearly present its methodology and data source. Submissions from interdisciplinary teams will be prioritized.

Abstract proposals (max 500 words) should be emailed to [MAPL.PSYCH@GMAIL.COM](mailto:mapl.psych@gmail.com) **by July 21, 2025, at 11:59 PM Eastern Time (ET) / UTC-4**, with**“AI in Assessment Special Issue” in the subject line**. Based on an initial evaluation of proposals, selected authors will be invited to submit complete manuscripts via the journal’s manuscript submission portal. Additional invitations may be sent to experts in the field by the Special Issue Editors to fill content gaps identified after reviewing abstract proposals. Invitations for full submissions will be sent by July 31, 2025. The deadline for submitting complete manuscripts will be December 1, 2025. Invited manuscripts will undergo the usual [*Assessment*](https://journals.sagepub.com/home/asm)peer-review process and acceptance for publication is not guaranteed.

Questions should be sent directly to the Special Issue Editors at the following addresses.

Adam P. Natoli, Ph.D. – [APN017@SHSU.EDU](mailto:apn017@shsu.edu)

Joshua R. Oltmanns, Ph.D. – [J.OLTMANNS@WUSTL.EDU](mailto:J.OLTMANNS@WUSTL.EDU)