

Psychological Test Adaptation and Development

Official Open Access Organ of the
European Association of Psychological Assessment (EAPA)

Call for Papers

Special Collection: Advancing Psychological Assessments With Machine Learning and Artificial Intelligence

Full paper submission deadline April 30, 2025

We are delighted to announce a forthcoming special collection of *Psychological Test Adaptation and Development* (PTAD), entitled “Advancing Psychological Assessments With Machine Learning and Artificial Intelligence.” This special collection aims to foster dialogue and innovation at the intersection of psychological assessment and machine learning/artificial intelligence (AI).

Aims and Scope

Machine learning and generative AI are transforming the fields of psychological and educational assessment by providing new methodologies for test development, scoring, and evaluation. This special collection seeks to explore these advancements and highlight their potential to complement traditional psychometric approaches. Submissions should focus on how these technologies are applied to generate and analyze numerical, textual, and visual data in ways that enrich psychological and educational assessments.

Topics of Interest

We invite submissions addressing, but not limited to, the following topics:

- Applications of large language models (LLMs) in psychological and educational testing
- Automated item and test generation using machine learning approaches
- AI-driven essay scoring and other forms of automated performance evaluation
- Hybrid methods combining traditional psychometric frameworks with machine learning techniques
- Interdisciplinary applications of AI in behavioral measurement and assessment
- Ethical and fairness considerations in the deployment of AI for psychological assessments
- Validation and reliability of AI-generated assessment results

Submission Guidelines

Manuscripts must adhere to the general [author guidelines](#) of PTAD and must be submitted through the journal’s [online submission system](#). Submissions will undergo a double-blind peer review process to ensure rigor and quality. Authors are encouraged to include Open Data, Open Materials, and Open Analytic Code wherever possible to align with PTAD’s commitment to transparency and open science.

We look forward to receiving your contributions and advancing the dialogue on the integration of AI and machine learning in psychological and educational assessments.

For more information, please contact the guest editor of the collection:

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