

Course Instructions for PSFSAI1

Course Module: Seminars on AI Methods in Psychological Research

Credits: 1.5 ECTS

Duration: During the doctoral studies period

Instructor(s): Ronald van den Berg

Meeting Time: Twice per term

Location: Will be announced on a per-seminar basis

Entry Requirements: Admission to doctoral studies

Course Description

This module offers doctoral students the opportunity to participate in a series of seminars focusing on the use of Artificial Intelligence (AI) methods in psychological research. The seminars cover contemporary research articles that apply AI techniques across various branches of psychology. The goal is to provide participants with a broad understanding of how AI can be utilized in psychological research and to foster critical discussions about the benefits, limitations, and implications of these methods.

Learning Outcomes

By the end of this module, students should be able to:

- Describe fundamental applications of AI methods in psychological research.
- Explain advantages and limitations of AI methods in different research contexts.
- Analyze research articles employing AI techniques from a psychological methodology perspective.
- Critically discuss and problematize the use of AI across various areas of psychological research.

Module Requirements

To earn ECTS credits, students are required to complete the following minimum requirements:

1. Lead one seminar (in collaboration with the course coordinator). This includes preparing and presenting one or more selected research articles and moderating the discussion.
2. Attend at least four additional seminars, having read the assigned articles and actively participating in discussions.

Assessment

Successful completion of this module is based on:

- Active participation in seminar discussions.

- Oral presentation and leadership of one seminar session.
No written exams or graded assignments are required.

Policies

- **Preparation:** Students are expected to read all assigned articles before each seminar.
- **Participation:** Active engagement in all discussions is required.
- **Collaboration:** Presenters are encouraged to consult with the course coordinator in advance to plan their session.

Resources

Reading materials (research articles) are distributed and updated continuously by the course coordinator.