Workshop: Advances in Rasch Analysis in the Human Sciences

Lecturer: William J. Boone Ph.D. (Miami University, Ohio, USA)

Date: Part 1: Wednesday, 27.09.2023, 14:00 – 18:00 h

Part 2: Thursday, 28.09.2023, 14:00 – 18:00 h

Abstract

This workshop will present an introduction to a variety of intermediate and advanced Rasch measurement topics. Part 1 will start with a review of Rasch theory as well as how to evaluate a multiple choice test and a rating scale survey. This will be followed by test linking (multiple choice, partial credit) as well as survey linking. Part 2 will involve differential item functioning, TIF, keymaps, common person equating, detecting multidimensionality, evaluating a range of validity with Rasch techniques, nuances of reliability, and setting pass fail point. On the last day participants will be provided and guided in the use of a user friendly plan to use Rasch to develop and evaluate tests and surveys so that publications can result from Rasch analysis efforts.

Participants will use a free version (Ministeps) of the most widely used Rasch program (Winsteps).

Previous Knowledge Required

It will be helpful for participants to be familiar with Rasch, but those attending are not required to have used Rasch before. Ministeps will be used for the workshop, no prior knowledge and use of Ministeps will be required.

Literature

Dr. Boone will make sure one user friendly Rasch article is sent to participants before the workshop.

For post workshop extension of the workshop it would be helpful if participants can have access to a copy of two books authored by Dr. Boone (Rasch Analysis in the Human

Sciences, Advances in Rasch Analysis in the Human Sciences.) Both books are published by Springer:

https://link.springer.com/book/10.1007/978-94-007-6857-4

https://link.springer.com/book/10.1007/978-3-030-43420-5

Software Requirements

Go to https://www.winsteps.com/ministep.htm and download your free version of Ministeps. The exact same software as Winsteps, but limited to 25 items and 75 people (as it is free). The program runs only on PCs.