***What is psychometrics?***

***Online edition***

Program 2021

**Organizer:** Denny Borsboom ([dennyborsboom@gmail.com](mailto:dennyborsboom@gmail.com))

**Location:** Online.

The course uses Zoom, a dropbox folder, and a slack workspace

*Zoom.* Meetings are organized via zoom. The address for the first meeting is: <https://us02web.zoom.us/j/88200590434>

*Dropbox.* The materials for the course can be downloaded from: <https://bit.ly/2XosL0X>

*Slack.* This is a digital office in which we can work together. The Slack workspace for the course is <http://iopswip2021.slack.com/>. You will be invited to this workspace via the email address you have provided to the IOPS secretariat. Please take a minute to change your account name to the name you want to use (click your avatar and then click *edit profile*) and to upload a portrait photo.

**Abstract:**

This course is designed to give an overview of psychometrics as a field. The course will be built around a series of interviews in which the participants will investigate themes like the philosophy of psychometrics, psychometrics in a time of big data, and individual differences versus intra-individual processes. During the course, participants prepare interviews that they will have with IOPS members. In this way, participants gather information that allows them to form a better perspective of psychometrics as a whole and the relation their own project has to the field. Participants will be given access to a Slack workspace where they can work together on the preparation interviews in groups and can solicit feedback. Importantly, the preparation of the interviews is done in Slack at the time the course runs. Therefore, participants do not have to prepare much but should count on a significant time investment during the days the course runs. Course credit is awarded on the basis of active participation.

**Program:**

*Wednesday 29 September, Zoom:* [https://us02web.zoom.us/j/88200590434](https://www.google.com/url?q=https://us02web.zoom.us/j/88200590434&sa=D&source=calendar&usd=2&usg=AOvVaw2MetGb3hIbOwF88tv0IwOG)

11:00-12:00: Denny Borsboom, University of Amsterdam: Course introduction

11:00-15:00: Prepare interviews in groups

15:00-16:00: Interview 1: Denny Borsboom, University of Amsterdam

Theme:Network psychometrics

*Literature*:

Borsboom, D., Deserno, M. K., Rhemtulla, M., Epskamp, S., Fried, E. I., McNally, R. J., Robinaugh, D. J., Perugini, M., Dalege, J., Costantini, G., Isvoranu, A.-M., Wysocki, A. C., van Borkulo, C. D., van Bork, R., & Waldorp, L. J. (2021). Network analysis of multivariate data in psychological science. *Nature Reviews Methods Primers*, *1*(1). https://doi.org/10.1038/s43586-021-00055-w

*Video material:* <https://www.quentinhuys.com/tcpw/events/denny-borsboom/>

*Thursday 30 September, Zoom*

11:00-12:00: Interview 2: Rob Meijer, Groningen University

Theme: Psychometrics in Practice

# *Literature:*

# Niessen, A. S. M, & Meijer, R. R. (2017). On the use of broadened selection criteria in higher education. *Perspectives on Psychological Science.*

12:00-15:00: Prepare interviews in groups

15:00-16:00: Interview 3: Dylan Molenaar, University of Amsterdam

Theme: Psychometrics and response processes

*Literature*: van der Maas, H.L.J., Molenaar, D., Maris, G., Kievit, R.A., & Borsboom, D. (2011). Cognitive Psychology Meets Psychometric Theory: On the Relation Between Process Models for Decision Making and Latent Variable Models for Individual Differences. *Psychological Review, 118,*339-356.

*Friday 1 October*, *Zoom*

11:00-12:00: Interview 4: Marjolein Fokkema, Leiden University

Theme: TBA

*Literature*: TBA

12:00-15:00: Prepare interviews in groups

15:00-16:00: Interview 5: Laura Bringmann, Groningen University

Theme: Philosophy of Psychometrics

*Literature:* TBA

16:00: Closing with online drinks