Annual report 2022

Leiden University
University of Amsterdam
University of Groningen
Tilburg University
University of Twente
Utrecht University
KUL University of Leuven
Statistics Netherlands (CBS)
Psychometric Research Center (Cito)

Contents

1 Preface

In 2022, we were able to have our conferences in a face to face setting again, which was very good to reconnect. The summer conference was a joint effort with SMiP and was held in Leuven. The Winter conference was held at the University of Twente.

This year the IOPS Best Poster Award was won by Chiara Carlier (summer 2022) and Jill de Ron (winter 2022). The Best Presentation Award was won by Esther Maassen (summer 2022) and Jeroen Mulder (winter 2022).

Debby ten Hove won the IOPS Best Paper Award, with her paper 'Interrater Reliability for Multilevel Data: A Generalizability Theory Approach'.

We congratulate the 13 students who defended their thesis successfully. The number of IOPS students in 2022 went down to 62.

On behalf of the IOPS board,

Rob Meijer

2 Introduction

2.1 Background

The Interuniversity Graduate School of Psychometrics and Sociometrics (IOPS) is an institute for the advanced dissertation training in psychometrics and sociometrics of PhD students in The Netherlands and Belgium. Additionally, it coordinates high-quality research taking place in these fields, and its staff members consist of internationally esteemed experts.

Since its inception in 1987, IOPS has become a cornerstone of the psychometric and sociometric community in the Netherlands and Belgium, and it has contributed to the development of several generations of psychometricians and sociometricians. It is commonly held that to be an active member of the psychometric and sociometric academic community in the Netherlands and Belgium, means participating in IOPS, and PhD students working on topics related to psychometrics and sociometrics are almost always encouraged by their supervisors to become a member of IOPS since it is beneficial for the PhD student.

Many former IOPS student members have become internationally renowned psychometricians and sociometricians, and many of these alumni continue to be affiliated with IOPS and contribute by providing courses for IOPS students or acting as reviewers for research proposals.

2.2 Role of IOPS (contrasted with local graduate schools)

Psychometrics and sociometrics are rather specialized topics. Therefore, IOPS fills an important role in providing both a community for persons working on related research topics, and an educational platform that is able to provide courses, conferences, and specialized support that PhD students working on psychometrics and sociometrics would not be able to obtain at their own university. IOPS does not replace the role of local graduate schools that exist at the university where the PhD student works. IOPS aims to supplement the services provided by local graduate schools, it does not aim at fulfilling the managerial role of those local graduate schools. That is, IOPS PhD students are still expected to take part in their local graduate schools, and to adhere to the rules that are specified by these graduate schools. This also means that the supervision and management of participating PhD students is still taken to be the responsibility of the

university of the student, and is a role that is not fulfilled by IOPS.

Thus, IOPS supplements the services of these local graduate schools in areas where these graduate schools are unable to provide the students with services they need (i.e., specialized education on all areas of psychometrics and sociometrics, and a social research platform where students and researchers working on psychometrics and sociometrics can interact). This is a contribution that both former and current IOPS PhD students evaluate positively, and that many see as an important part of their professional development as psychometric or sociometric researchers. IOPS success and importance as an inter-university graduate school is also reflected in the fact that in September 2013 it was awarded by NWO with a NWO Graduate Program grant, which provided funding for four extra IOPS PhD positions on various topics in psychometrics and sociometrics.

2.3 Aims and activities op IOPS

The main aims of IOPS are to support the development of young researchers and the execution of high-quality research in psychometrics and sociometrics in the Netherlands and Belgium.

2.3.1 Activities

To achieve the aims mentioned above, IOPS undertakes the following activities:

- Providing multiple postgraduate courses on a variety of topics in psychometrics and sociometrics, taught by subject matter experts at participating universities and institutions (see Section 3.1).
- Providing PhD students with the opportunity of participating in the IOPS postgraduate program, which consists of a coherent set of courses and is rewarded with the IOPS certificate (see Section 3.3).
- Organizing biannual IOPS conferences at which both IOPS PhD students and international experts can present their research.
- Providing a network for both PhD students and researchers in psychometrics and sociometrics that facilitates interuniversity collaborations and informs its members of relevant news in the field (e.g., conferences and job openings). This also improves the transition of PhD students into relevant job positions after the PhD has been completed (see Section 1.3.3).
- Offering support from a students' counselor in case a PhD student encounters a

conflict with their supervisor regarding the contents of the research that cannot be solved at the faculty. Conflicts in the area of human resources or confidential personal matters are to be solved by the counselor of the students' faculty.

2.3.2 Quality of PhD research

The quality of PhD research is ensured by:

- The admission procedure: review of the proposal and approval by the board (part 1.3). At least one of the supervisors is an IOPS staff member, so the content quality of the research is being monitored.
- The requirements for the IOPS certificate, including being a discussant twice and review of a proposal twice (part 3.3).
- The research has to be concluded with an approved dissertation.

2.3.3 Connecting PhD students to the labour market

IOPS aims at optimizing the position of participating PhD students on the labour market after the completion of their PhD. It does so by providing:

- the IOPS certificate, which communicates to future employers that the student has successfully completed the IOPS PhD postgraduate program.
- a networking platform by means of the biannual conferences, which are also attended by IOPS staff.
- information (on the website and via emails) about relevant job openings.

Additionally, many stakeholders of psychometrics and sociometrics participate in IOPS, which means that after participation in IOPS, PhD students have obtained important connections both in academic and more applied areas related to their expertise. The main participating institutes are Cito and Statistics Netherlands (CBS).

2.4 Admittance to the IOPS postgraduate program

Any PhD student in the Netherlands and Belgium can apply for admittance to the IOPS program, on condition that the following criteria are met:

- The student is in possession of a Master's degree (or equivalent) in a field related to psychometrics or sociometrics.

- He or she is registered as a PhD student at one of the universities in the Netherlands or Belgium, or he or she has a supervisor that is a staff member of IOPS.
- The research that the student performs or will perform towards achieving the title of PhD can be classified as being psychometric or sociometric research.
- The student has composed a research proposal for evaluation by the IOPS board that shows that the research is of sufficient quality.
- The student has composed a feasible educational plan that satisfies the criteria of the IOPS program (see Section 3.3).

If a student believes that these criteria can be met, he/she can submit an application to the secretary of IOPS. This application consists of the student's application detailing the research that the student will perform, and an educational plan that lists the IOPS courses that the student plans to follow and the period in which they will follow these courses.

After receiving the student's application, this is sent out for review by two IOPS staff members and two PhD student IOPS members (all four selected such that their research expertise matches the topic of the proposed research and they are not involved in the project). These four reviewers critically evaluate the entire proposal. Proposals accepted by NWO will only be reviewed by two PhD students and judged generally by the director. If necessary, the reviewers provide feedback on both the research proposal and the educational plan. Only in the case that the proposal is not accepted at once, the PhD student revises the proposal. On the basis of their comments and the possibly revised proposal, the reviewers formulate a recommendation to the IOPS board about whether the student should be admitted to IOPS based on the application as it has been submitted. After this, the board reviews the application at the upcoming board meeting. After discussing the proposal and the four reviews, the board members decide on whether the student should be admitted to the IOPS program. After the board has reached its decision, the secretary notifies the student and their main supervisor of the decision.

More information about the requirements and process can be found on the IOPS website: http://www.iops.nl/students/becoming-an-iops-student/guidelines-for-applicants-appointed-as-phd student/

2.5 Affiliated student membership

If a student does not meet the required criteria to be admitted to the IOPS postgraduate

program, or if a student does not intend on becoming a member of the program, a student can ask to be registered as an affiliated student member of IOPS. As an affiliated student member, the option to follow IOPS courses and attend the biannual IOPS conferences will be given. However, affiliated student members do not receive the IOPS certificate after the completion of their PhD project. In addition, as opposed to the regular IOPS PhD students, they do not pay an annual participation fee but they pay for each course/conference separately.

3 Organization

3.1 History

The present interuniversity school for psychometrics and sociometrics (IOPS) goes back to a national platform for collaboration in research and education active since the seventies, formalized in the "Nederlandse Stichting voor Psychometrie" (Dutch Foundation for Psychometrics, an advisory body for ZWO, as NWO was then called). IOPS was officially founded as an institute for advanced dissertation training on June 24th, 1987. IOPS then obtained a starting grant from the Ministry of Education in 1987 for a period of five years. The Royal Dutch Academy of Arts and Sciences (KNAW, ECOS committee) officially reaccredited IOPS as an interuniversity graduate school in 1994, 1999, and 2004.

Until 2000, the University of Amsterdam was commissioner ("penvoerder"), and after that the University of Leiden took over the responsibility. Since February 2014 the University of Groningen has been commissioner of IOPS.

In 2010, when the KNAW accreditation period ended, the Board of IOPS considered the changes in the organization of PhD training in the Netherlands brought about by the policy change of the Association of Universities in the Netherlands with the effect that all universities started developing their own systems of local Graduate Schools.

Because psychometrics and sociometrics are relatively small and highly specialized areas of expertise, it was clear that national collaboration would remain of utmost importance for IOPS to stay on the front-edge of methodological research, and therefore the Board decided to continue IOPS activities as a national platform of research and PhD training, but now under a new, less formal construction. A new Agreement of Cooperation between the participating faculties was drafted, and formally established in 2011 for the duration of four years. An adjusted Agreement of Cooperation has been established in 2015.

3.2 Participating and cooperating institutes

The partners in the Agreement of Cooperation are the academic groups of seven universities (from the Netherlands and Belgium) and the two non-academic institutes are listed in the table below. The non-academic partners CBS and CITO have strong ties with several of the academic groups, and also bring in PhD projects.

In 1994, the establishment of graduate schools and the rearrangement of staff members, caused IOPS to introduce a new category of staff for those who - for formal reasons - could not be a regular IOPS staff member: the associated staff members, working at cooperating institutes. The requirements for associated staff members are identical to those of regular staff members. PhD students of these associated staff members can be admitted to IOPS as an external dissertation student. The cooperating institutes have no representative in the board. Article 8 in the Agreement provides the conditions under which associated research groups can become full participants.

In the table below, all participating and cooperating universities and institutes, with the number of student* and staff members per academic group/institute are listed.

* This number refers to PhD students who are in the process of completing their phd and are still under contract with their respective university. These members pay a yearly fee.

IOPS also holds a category of (alumni) members that have either completed their PhD, are continuing to work on their PhD after the usual four or five years, or have stopped their research but would like to remain part of IOPS. These members remain on the contact list but do not pay a membership fee anymore.

Participating institutes		
Name institute	# students	# staff
Leiden University Faculty of Social and Behavioural Sciences	4	17
University of Amsterdam Faculty of Social and Behavioural Sciences	10	32
University of Groningen Faculty of Behavioural and Social Sciences	8	13
University of Twente Faculty Behavioural, Management and Social Science (BMS)	1	6
Utrecht University Faculty of Social and Behavioural Sciences	14	22
Tilburg University Tilburg School of Social and Behavioural Sciences	15	25

KU Leuven, University of Leuven Belgium, Faculty of Psychology and Educational Sciences	10	9
Statistics Netherlands (CBS) Den Haag	0	3
Psychometric Research Center (Cito) Arnhem	0	5

Participating institutes		
Name institute	# students	# staff
University of Groningen, Faculty of Behavioural and Social Sciences (Sociology & department of Education)		4
VU University Amsterdam, Faculty of Psychology and Education		4
Maastricht University, Fac. of Health, Medicine and Life Sciences & Fac. of Psychology & Neuroscience		7
Erasmus University Rotterdam		4
Wageningen University		1

3.3 Board and office

The structure and organization of IOPS are formalized in articles 3-6 of the Agreement of Cooperation. The most important units are the IOPS board and the secretarial office. The governing Board of IOPS consists of seven members delegated by the participating universities and two representatives of the participating research institutes. Board meetings are also attended by two representatives of the IOPS PhD students, appointed by the IOPS PhD students for a period of two years. The board has the ultimate responsibility with regard to the research programme, educational programme, and finances.

The institute director is also chairman, he/she is elected from the representatives of the seven participating universities

The Board delegates daily matters to its Chair, who runs the Secretarial Office, and communicates its policies and decisions in a general meeting of scientific staff and students twice a year.

3.3.1 Members IOPS Board

On 31 December 2022 the Board consisted of:

- Prof. R.R. (Rob) Meijer, Chair, University of Groningen
- Dr. D. (Dylan) Molenaar, University of Amsterdam
- Prof. M.J. (Mark) de Rooij, Leiden University
- Dr. G.J.A. (Jean-Paul) Fox, University of Twente
- Dr. K. (Katrijn) van Deun, Tilburg University
- Prof. I. (Irene) Klugkist, Utrecht University
- Prof. F. (Francis) Tuerlinckx, KU Leuven-University of Leuven
- Dr. R (Remco) Feskens, CITO (National Institute for Educational Measurement)
- Prof. A.G. (Ton) de Waal, CBS (Statistics Netherlands)

3.3.2 PhD representatives

Qixiang Fang (University of Tilburg) was appointed first representative, after being assistant representative in 2021. Daan de Jong (Utrecht University) was appointed assistant PhD student representative.

3.3.3 Office

The Chair of the Board runs the Secretarial Office, and is supported by an Executive Secretary. The RUG-based office is responsible for the preparation and execution of IOPS policies, activities, and Annual Reports. The Executive Secretary assists the Chair and the Board, and runs the IOPS website, the student administration and manages the digital archive. She also assists the local groups in the organization of conferences and courses. Since September 1st 2020 the Executive Secretary of IOPS is drs. Mirjam Bouwsema. Finances are handled by the Financial Department (FSSC) of the University of Groningen.

Secretary: drs. Mirjam Bouwsema
E-Mail: secretariaat.iops@rug.nl
Web: www.iops.nl
Address: University of Groningen Faculty of Social and Behavioral Sciences
               Grote Kruisstraat 2/1

3.4 Cooperation with Related Master programmes

All academic board members are in direct contact with the directors of the related Master programmes. Although there are six different locally organized Master programmes, there is close collaboration with the programme directors and a considerable degree of coordination between them. The reason is that the faculty members who are charged with teaching responsibilities in the IOPS PhD programme also occupy central roles in education and management of the local Master programmes. In several cases, there is even a personal union between IOPS scientific staff members and directors of Master programmes. Generally, collegial ties are flexible, but directors of Master programmes take binding decisions with respect to the Master phase, and the IOPS Board takes binding decisions with respect to the PhD education activities IOPS has to offer. In practice, cooperation is very smooth.

3.5 Board & plenary meetings

In 2022 the Board had four meetings, of which two were held during the conferences. During the conferences there were separate meetings for the Phd students.

3.6 Archive

The IOPS archives the following:

Registration of new PhD students and their transition

- registration form, including an educational plan
- reviews, possibly response to the reviews and the recommendation of the reviewers
- Certificates of IOPS courses or relevant courses outside of IOPS
- Titles of oral and poster presentations
- Amount of peer reviews and times of discussant role at conference

Courses and presentations
- the grades, pass/fail for all the students in that year's course
- evaluations of the courses

(Note: IOPS gives instructions to the teachers how and when to do this and checks whether the grades and evaluations are received.) All data is archived in Groningen on the local workspace Y/staff/gmw/IOPS/… and Google Drive through RUG- UG account.

4 The IOPS post graduate programme

4.1 Educational programme

4.1.1 IOPS curriculum

During the period as an IOPS PhD student, the student needs to participate in the IOPS curriculum. Every participating university organizes at least one course. These courses include two mandatory courses ("What is psychometrics" and "Statistical Consulting to Behavioral Scientists") and multiple elective courses. All courses are free for IOPS students (it is included in the annual contribution fee). Courses are open for non-IOPS members, but IOPS-members have priority.

An overview of the IOPS curriculum can be found in the table below and on the IOPS website.

Month	Course	EC	Even years	Odd years
February	Statistical Learning (LU)	2	2022, 2024…	
April	Generalized latent variable modeling (TiU)	1	2022, 2024…	
June	IOPS Summer Conference		2022, 2024…	2023, 2025…
August	A Gentle Introduction to Bayesian Statistics (hybrid)	2	2022, 2024…	2023, 2025…
September	Survey Design (UU)	2	2022, 2024…	2023, 2025…
September	What is Psychometrics? (UvA)	2	2022, 2024…	2023, 2025…
October	Bayesian Item Response Modeling (UT)	2	2022, 2024…	
October	Statistical Consulting to Behavioral Scientists (UvA & LU)	3	2022, 2024…	
November	Mathematical Statistics (RUG)	1		2023, 2025…
November	Optimization & Numerical Methods (KU Leuven)	2	2022, 2024…	2023, 2025…

December	IOPS Winter Conference		2022, 2024...	2023, 2025...

Note. UA: University of Amsterdam; UM: University of Maastricht; UU: Utrecht University; UT: University of Twente; UL: University of Leuven; TU: Tilburg University; UG: University of Groningen; LU: Leiden University.

4.1.2 Courses in 2022

In 2022 five courses of the IOPS curriculum were organized:

- ➢ **What is Psychometrics? (mandatory)**
  University of Amsterdam, September 2022
  Coordinator: Prof. D. Borsboom
- ➢ **Statistical Learning**
  Leiden University, February 2022
  Coordinator: Marjolein Fokkema, Tom Wilderjans
- ➢ **Optimization & Numerical Methods in Statistics (elective)**
  KU Leuven-University of Leuven, October-November, 2022
  Lecturers: Prof G. Molenberghs, Prof F. Tuerlinckx, Dr. K. van Deun & Dr. T. Wilderjans
- ➢ **Bayesian Item Response Modeling**
  University of Twente, November 2022
  Lecturers: Dr. ir. G.J.A. Fox
- ➢ **A gentle introduction to bayesian-statistics**
  University of Utrecht, August 2022
  Coordinator: Prof. Dr. Rens van de Schoot

4.1.3 Numbers of IOPS students per course in 2022

In the table below the numbers of IOPS students that participated in IOPS courses in the period 2013-2022.

IOPS Course	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Generalized latent variable modeling (TiU)			20		20			18		

Statistical Learning (UL)					24	13		18		11
What is psychometrics? (UvA)	10		24	20	14	17	18	13	9	14
Advising on research methods (UvA)	n.a.		14							
Statistical Consulting to Behavioral Scientists (UL, UvA)					8		13	12		
Applied Bayesian Statistics (UU)	n.a.	10	5	n.a.	n.a.	3	11			
Optimization & Numerical Methods in Statistics,(KU L)	13	6	22	18	16	2	10	7	5	12
Meta-Analysis (UM)		5		7		5				
Analysis of Measurement Instruments (UT)		6								
Survey Design (UU)	8			4	3	4	3		5	
Bayesian Item Response Modeling				9		7				6
Transparency in Science					3					
Mathematical Statistics								11	10	
A gentle introduction to bayesian-statistics									5	5

4.1.4 Examination

Courses differ in the requirements that need to be met to receive the course credit (EC): essay exams, multiple-choice exams, assignments, computer practical, and individual presentations are being used.

4.1.5 Course evaluation

All individual courses are evaluated by evaluation forms that are administered to the participants at the end of every course. The results of these evaluations are discussed at the board meeting. Two IOPS representative PhD students also attend these meetings.

4.1.6 Research training programme

The research-training program consists of reviewing research proposals of fellow students and the participation in IOPS conferences.

4.1.7 Peer review

With the exception of PhD projects funded via NWO, FWO and ERC, which are reviewed by two PhD students only, each new proposal submitted to the IOPS is reviewed by two IOPS PhD students and two IOPS staff members. This implies that every student has to review a proposal twice. Participating in the IOPS review process is intended to make the IOPS PhD student acquainted with the peer-review process.

4.1.8 Conferences: aims and programme

The conferences are intended for the IOPS PhD students to:

- practice in presenting his/her research (poster and oral presentation) in a conference setting
- practice in having public discussions after a conference presentation
- practice in acting as 'discussant' and start the academic discussion after an oral presentation
- get feedback on his/her research from experts in the field develop a social network
- get to know the field of psychometrics and sociometrics in a broader perspective.

The IOPS biannual conferences take place in June and December and are organized by the participating universities in turns. Each conference programme consists of the following elements:

- student poster presentations

- student oral presentations
- presentation by IOPS staff members
- presentation by an international expert outside IOPS (optional)
- conference dinner

Awards at the conferences:

- At each conference, a prize is awarded to the best student presentation and the best student poster. The Board has established these prizes to emphasize the importance of the presentations at the conferences.
- Once a year, at the summer conference, a prize is awarded for the best single research article by an IOPS PhD student that has been published or accepted for publication in the previous year. Papers in internationally peer-reviewed journals will be given more weight than chapters in books.

4.1.9 Conferences in 2022

- 37th Summer conference SMiP – IOPS, June 23-24 2022
  Venue: KU Leuven
- 32nd Winter Conference, December 8 2022
  Venue: Twente University

4.2 IOPS certificate

A student is eligible for the IOPS certificate when the research project is completed and he/she has met the requirements of the IOPS post-graduate programme.

Educational requirements
The PhD student should complete the two mandatory courses ("What is psychometrics?" and "Statistical Consulting to Behavioral Scientists"), which are 5 EC in total. Exemption for the latter course can be granted in case an equivalent course has been completed earlier. The PhD student should complete elective IOPS courses up to at least 5 EC (exemption is not possible).

Research requirements
All students are required to

- review two research proposals of fellow students
- attend at least four IOPS conferences

- present twice at an IOPS conference: a poster at the start of the project and an oral
- presentation at the end of the project
- have been discussant at an IOPS conference twice.

5 Students and their projects

5.1 Introduction

Applicants for the IOPS dissertation training must have a Master's degree in one of the following disciplines. Behavioural Sciences, Technical Sciences, Mathematics or Econometrics. They are appointed as PhD student, or as an indirectly financed PhD student. PhD students within IOPS are financed by internal research funds of the participating institutes, NWO (Netherlands Foundation of Scientific Research) or European funding, or other external funds of third parties.

5.2 Admissions, deregistrations and dissertations

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Student admissions	22	18	14	21	20	11	27	16	18	11	20
Premature deregistrations	0	0	2	2	1	2	3	2		1	
Dissertations	17	7	12	11	17	11	18	8	14	10	13
Projects that exceeded the project time limit on 31 December	3	4	5	11	8	7	8	19	-	-	-
Students on 31 December	53	61	60	62	65	61	67	67	68	59	64

5.2.1 Dissertations in 2022

Name	Title	University	Date

Leonie Vogelsmeier	Latent Markov Factor Analysis: A mixture modeling approach for evaluating within- and between-person measurement model differences in intensive longitudinal data	Tilburg University	14-01-2022
Anja Franziska Ernst	Dynamic clustering: Classifying people through ecological momentary assessment	University of Groningen	07-02-2022
Shuai Yuan	Novel clustering methods for complex cluster structures in behavioral sciences	Tilburg University	22-03-2022
Richard Artner	Reproducibility, robustness, and test severity: New insights for research workers in psychology	KU Leuven	25-03-2022
Monika Vaheoja	Setting standards in small samples	University of Twente	02-06-2022
Andrea Stoevenbelt	Scrutinizing stereotype threat: Combining replication and proper measurement to investigate the gender gap in test performance	Tilburg University	24-06-2022
Malileh Namazkhan	Modelling household energy consumption to understand sustainable energy behaviour. An integrated approach	University of Groningen	22-09-2022
Mingyang Cai	Transition models for individual causal effects	Utrecht University	07-10-2022
Letty Koopman	Nonparametric Item Response Theory for Multilevel Test Data	University of Amsterdam	03-11-2022
Sebastián Castro-Alvarez	Chronicle of Measurement Unforetold: Measurement models for intensive longitudinal data	University of Groningen	22-12-2022
Qianrao Fu	Executing replications studies using informative hypotheses	Utrecht University	07-04-2022

5.2.2 New projects in 2022

Name	Project	University
Carlotta Rieble	Early Warning Signals of Depression Onset	Leiden University
Daan de Jong	OPTIMAL	Utrecht University
Myrthe Veenman	Communicating Networks	Leiden University
Pia Andresen	Coming-of-Age of Process Research: Connecting Theory with Measurement and Modelling (OPTIMAL)	Utrecht University
Andres Felipe Perez Alonso	Mixture multigroup Structural Equation Modeling for comparing latent variable relations among many groups	Tilburg University
Hannelies de Jonge	Meta-Analytic Structural Equation Modeling with Group Data	University of Amsterdam
Kenny Yu		KU Leuven
Khadiga Hassan Ali Sayed	Studies into Non-Saturated Randomized Response Models	Utrecht University
Lennert Groot	"Winner takes all: Applying MASEM with raw data", part of the NWO VIDI research project "No data left behind. New meta-analytic structural equation models for complex data structures."	University of Amsterdam
Martijn Schoenmakers	Modeling Response Styles Behaviors in a Cross-cultural Context	Tilburg University
Zeynep Bilici	Dependent effect sizes in meta-analytical structural equation modeling (MASEM)	University of Amsterdam
Kay de Wit	Defining intimidation: empirical evidence for an aggressive interpersonal phenomenon	University of Amsterdam
Nikola Sekulovski	Bayesian Psychometric Network Modelling for Cross-sectional Data	University of Amsterdam
Sara Keetelaar	Bayesian Psychometric Network Modelling for Longitudinal Data	University of Amsterdam
Daniëlle Remmerswaal	Push-to-app: Effective recruitment and retention in smart surveys	Utrecht University

Karel Veldkamp	Towards Psychometrically Interpretable Neural Networks: Bridging the Gap between Latent Variable Models from Psychometrics and Neural Networks from Deep Learning	University of Amsterdam
Lisette Sibbald	Prevention is Better Than Cure: Predicting the Onset of Postpartum Depression Using Early Warning Signals	Tilburg University
Manuel Rein	New SEM methods for validly comparing structural relations over individuals and time	Tilburg University
Thom Volker	Private yet accessible: advancing privacy-aware synthetization of sensitive microdata	Utrecht University
Tzu-Yao Lin	Can we trust our numbers? Quantification of measurement reliability for intensive longitudinal data	Maastricht University

6 Staff

IOPS staff members belong to the participating (regular staff) and cooperating (associated staff) institutes. There are two categories of staff members: junior and senior staff members. Both require acknowledgment in their field according to, among others, international publications. Junior staff members have obtained their PhD less than five years ago, and do not necessarily have (co-)responsibility of dissertation research. Senior staff members do have (co-)responsibility of dissertation research.

6.1 Professorships

6.2 Staff changes

Staff members admitted to IOPS in 2022
- Ayoub Bagheri
- Zsuzsa Bakk
- Leonie Vogelsmeier
- Michael Nunez
- Noah van Dongen
- Riet van Bork
- Lieke Voncken
- Ethan McCormick

Emeritus status

The following staff member entered the emeritus status in 2022.

- Prof. Klaas Sijtsma

6.3 Staff members

University of Amsterdam

Department of Psychology - Methodology

Name	Email	Website(s)
Prof. Denny Borsboom (senior)	d.borsboom@uva.nl	https://dennyborsboom.com/
Dr. Tessa Blanken (junior)	t.f.blanken@uva.nl	https://tfblanken.github.io/
Dr. N.N.N. van Dongen	nnnvandongen@gmail.com	https://nnnvd.wordpress.com/
Dr. Julia Haaf (junior)	j.haaf@gmx.net	http://julia.ntzwrk.net/
Dr. Abe Hofman (junior)	a.d.hofman@uva.nl	https://www.uva.nl/en/profile/h/o/a.d.hofman/a.d.hofman.html
Dr. Raoul Grasman (senior)	r.p.p.p.grasman@uva.nl	https://www.uva.nl/profiel/g/r/r.p.p.p.grasman/r.p.p.p.grasman.html
Dr. Maarten Marsman (junior)	m.marsman@uva.nl	www.maartenmarsman.com
Dr. Dylan Molenaar (junior)	d.molenaar@uva.nl	www.dylanmolenaar.nl
Dr. R. van Bork	r.vanbork@uva.nl	http://www.rietvanbork.nl/
Prof. Han Van der Maas (senior)	h.l.j.vandermaas@uva.nl	https://www.uva.nl/profiel/m/a/h.l.j.vandermaas/h.l.j.vandermaas.html
Dr. M.D. Nunez (junior)	m.d.nunez@uva.nl	https://www.michaeldnunez.com/
Prof. Eric-Jan Wagenmakers (senior)	e.m.wagenmakers@uva.nl	http://www.ejwagenmakers.com/
Dr. Lourens Waldorp (senior)	l.j.waldorp@uva.nl	http://waldorp.nl/lourens/

Department of Psychology - Developmental Psychology

Name	Email	Website(s)
Prof. Hilde Huizenga (senior)	h.m.huizenga@uva.nl	Prof. dr. H.M. (Hilde) Huizenga - Universiteit van Amsterdam (uva.nl)

Name	Email	Website(s)
Dr. Brenda Jansen (senior)	b.r.j.jansen@uva.nl	Dr. B.R.J. (Brenda) Jansen - University of Amsterdam (uva.nl)
Extra-ordinary Prof. Maartje Raijmakers (senior)	m.e.j.raijmakers@uva.nl	Prof. dr. M.E.J. (Maartje) Raijmakers - Universiteit van Amsterdam (uva.nl)
Dr. Ingmar Visser (senior)	i.visser@uva.nl	Dr. I. (Ingmar) Visser - University of Amsterdam (uva.nl) https://www.ingmar.org/

Department of Child Development and Education - Methods and Statistics

Name	Email	Website(s)
Dr. Kees-Jan Kan (senior)	k.j.kan@uva.nl	https://www.uva.nl/profiel/k/a/k.j.kan/k.j.kan.html
Dr. Suzanne Jak (senior)	s.jak@uva.nl	https://www.uva.nl/profiel/j/a/s.jak/s.jak.html
Dr. Terrence Jorgensen (senior)	T.D.Jorgensen@uva.nl	https://www.uva.nl/en/profile/j/o/t.d.jorgensen/t.d.jorgensen.html
Prof. Frans Oort (senior)	f.j.oort@uva.nl	https://www.uva.nl/profiel/o/o/f.j.oort/f.j.oort.html
Dr. Niels Smits (senior)	n.smits@uva.nl	https://www.uva.nl/en/profile/s/m/n.smits/n.smits.html
Prof. Andries Van der Ark (senior)	L.A.vanderArk@uva.nl	https://www.uva.nl/profiel/a/r/l.a.vanderark/l.a.vanderark.html
Dr. Bonne Zijlstra (senior)	b.j.h.zijlstra@uva.nl	https://www.uva.nl/en/profile/z/i/b.j.h.zijlstra/b.j.h.zijlstra.html

University of Groningen

Heymans Institute, Department of Psychology

Name	Email	Website(s)
Prof. Casper Albers (senior)	c.j.albers@rug.nl	https://www.casperalbers.nl
Dr. Laura Bringmann (senior)	l.f.bringmann@rug.nl	https://www.rug.nl/staff/l.f.bringmann/
Prof. Henk Kiers (senior)	h.a.l.kiers@rug.nl	https://www.rug.nl/staff/h.a.l.kiers/

Prof. Rob Meijer (senior)	r.r.meijer@rug.nl	https://www.rug.nl/staff/r.r.meijer/
Dr. Susan Niessen (junior)	a.s.m.niessen@rug.nl	https://www.rug.nl/staff/a.s.m.niessen/
Prof. Marieke Timmerman (senior)	m.e.timmerman@rug.n	https://www.rug.nl/staff/m.e.timmerman/
Prof. Don Van Ravenzwaaij (senior)	d.van.ravenzwaaij@rug.nl	www.donvanravenzwaaij.com

Department of Sociology

Name	Email	Website(s)
Dr. Mark Huisman (senior)	j.m.e.huisman@rug.nl	https://www.rug.nl/staff/j.m.e.huisman/
Prof. M.A.J. (Marijtje) Van Duijn (senior)	m.a.j.van.duijn@rug.nl	https://www.rug.nl/staff/m.a.j.van.duijn/

Education & Educational Research, Department of Child and Family Welfare

Name	Email		Website(s)
Dr. R. (Rink) Hoekstra	r.hoekstra@rug.nl		https://www.rug.nl/staff/r.hoekstra/
Prof. M.J. (Matthijs) Warrens	m.j.warrens@rug.nl		https://www.rug.nl/staff/m.j.warrens/
Dr. Wendy Post (senior)	w.j.post@rug.nl	Faculty of Behavioural and Social Sciences Special Needs Education and Youth Care	https://www.rug.nl/staff/m.c.s.paap/research
Dr. Muirne Paap (junior)	m.c.s.paap@rug.nl	Department of Child and Family Welfare	https://www.rug.nl/staff/m.c.s.paap/research

Department of Education Department of Arts, Centre for Information and Communication Research

Name	Email	Website(s)
dr. Y.P. (Yfke) Ongena	y.p.ongena@rug.nl	https://www.rug.nl/staff/y.p.ongena/

Leiden University

Institute of Psychology, Methodology and Statistics Unit

Name	Email	Website(s)
Dr. Z. (Zsuzsa) Bakk (junior)	z.bakk@fsw.leidenuniv.nl	https://www.universiteitleiden.nl/en/staffmembers/zsuzsa-bakk
Prof. M.J. (Mark) de Rooij (senior)	rooijm@fsw.leidenuniv.nl	https://www.universiteitleiden.nl/en/staffmembers/mark-de-rooij
Dr. Elise Dusseldorp (senior)	elise.dusseldorp@fsw.leidenuniv.nl	https://www.universiteitleiden.nl/en/staffmembers/elise-dusseldorp
Dr. Marjolein Fokkema (junior)	m.fokkema@fsw.leidenuniv.nl	https://www.universiteitleiden.nl/en/staffmembers/marjolein-fokkema
Dr. Joost van Ginkel (junior)	jginkel@fsw.leidenuniv.nl	https://www.universiteitleiden.nl/en/staffmembers/joost-van-ginkel
Dr. Julian Karch (junior)	j.d.karch@fsw.leidenuniv.nl	https://www.universiteitleiden.nl/en/staffmembers/julian-karch#tab-1
Prof. Henk Kelderman (senior)	h.kelderman@fsw.leidenuniv.nl	https://www.universiteitleiden.nl/en/staffmembers/henk-kelderman
Dr. E.M. (Ethan) McCormick	e.m.mccormick@fsw.leidenuniv.nl	https://www.universiteitleiden.nl/en/staffmembers/ethan-mccormick#tab-1
Dr. Mathilde Verdam (junior)	m.g.e.verdam@fsw.leidenuniv.nl	https://www.universiteitleiden.nl/en/staffmembers/mathilde-verdam
Dr. Wouter Weeda (junior)	w.d.weeda@fsw.leidenuniv.nl	https://www.universiteitleiden.nl/en/staffmembers/wouter-weeda
Dr. Tom Wilderjans (senior)	t.f.wilderjans@fsw.leidenuniv.nl	https://www.universiteitleiden.nl/en/staffmembers/tom-wilderjans

Institute of Psychology, Clinical Psychology

Name	Email	Website(s)
Dr. Eiko Fried	e.i.fried@fsw.leidenuniv.nl	https://eiko-fried.com/

Institute of Education and Child Studies

Name	Email	Website(s)
Dr. Marian Hickendorff	hickendorff@fsw.leidenuniv.nl	https://www.universiteitleiden.nl/medewerkers/marian-hickendorff#tab-1

Mathematical Institute, Faculty of Science

Name	Email	Website(s)
Prof. Mark De Rooij (senior)	rooijm@fsw.leidenuniv.nl	https://www.universiteitleiden.nl/en/staffmembers/mark-de-rooij

University of Leuven

Faculty of Psychology and Educational Sciences

Name	Email	Website(s)
Prof. Eva Ceulemans (senior)	eva.ceulemans@ppw.kuleuven.be	Eva Ceulemans
Prof. Francis Tuerlinckx (senior)	francis.tuerlinckx@ppw.kuleuven.be	Francis Tuerlinckx
Dr. G. Lafit (junior)	ginette.lafit@kuleuven.be	Ginette Lafit
Prof. Wolf Vanpaemel (senior)	wolf.vanpaemel@ppw.kuleuven.be	Wolf Vanpaemel
Prof. Kim De Roover	kim.deroover@kuleuven.be	Kim De Roover

Utrecht University

Methodology & Statistics Department

Name	Email	Website(s)
Dr. Emmeke Aarts (junior)	e.aarts@uu.nl	https://www.uu.nl/medewerkers/EAarts
Dr. A (Ayoub) Bagheri	a.bagheri@uu.nl	https://www.uu.nl/staff/abagheri

Prof. Stef van Buuren (senior)	s.vanbuuren@uu.nl	https://www.uu.nl/medewerkers/SvanBuuren
Dr. Maarten Cruyff (senior)	m.cruyff@uu.nl	https://www.uu.nl/medewerkers/mcruyff
Dr. Ellen Hamaker (senior)	e.l.hamaker@uu.nl	https://www.uu.nl/medewerkers/ELHamaker
Prof. Dr. P.G.M. (Peter) van der Heijden (senior)	p.g.m.vanderheijden@uu.nl	https://www.uu.nl/medewerkers/PGMvanderHeijden
Dr. David Hessen (senior)	d.j.hessen@uu.nl	https://www.uu.nl/medewerkers/DJHessen
Prof. Herbert Hoijtink (senior)	h.hoijtink@uu.nl	https://www.uu.nl/medewerkers/hhoijtink
Dr. E.J. (Erik-Jan) van Kesteren	e.vankesteren1@uu.nl	https://www.uu.nl/medewerkers/EvanKesteren
Prof. Irene Klugkist (senior)	i.klugkist@uu.nl	https://www.uu.nl/medewerkers/iklugkist
Dr. Rebecca Kuiper (senior)	r.m.kuiper@uu.nl	https://www.uu.nl/medewerkers/RMKuiper
Dr. Kyle Lang (junior)	K.M.Lang@uvt.nl	https://www.uu.nl/medewerkers/KMLang
Dr. Peter Lugtig (senior)	p.lugtig@uu.nl	https://www.uu.nl/medewerkers/plugtig
Dr. Mirjam Moerbeek (senior)	m.moerbeek@uu.nl	https://www.uu.nl/medewerkers/MMoerbeek
Dr. Daniel Oberski (senior)	d.l.oberski@uu.nl	https://www.uu.nl/medewerkers/DLOberski
Dr. Noémi Schuurman (junior)	n.k.schuurman@uu.nl	https://www.uu.nl/medewerkers/NKSchuurman
Dr. Bella Struminskaya (junior)	b.struminskaya@uu.nl	https://www.uu.nl/medewerkers/BStruminskaya
Dr. Gerko Vink (senior)	g.vink@uu.nl	https://www.uu.nl/medewerkers/GVink

Tilburg University

Department of Methodology and Statistics

Name	Email	Website(s)
Dr. R.C.M. (Robbie) van Aert (junior)	R.C.M.vanAert@tilburguniversity.edu	https://www.tilburguniversity.edu/staff/r-c-m-vanaert
Prof. M.A.L (Marcel) van Assen (senior)	m.a.l.m.vanassen@tilburguniversity.edu	https://www.tilburguniversity.edu/nl/medewerkers/m-a-l-m-vanassen
Dr. Marjan Bakker (junior)	m.bakker_1@tilburguniversity.edu	https://www.tilburguniversity.edu/staff/m-bakker-1
Dr. M.A. Bolsinova	m.a.bolsinova@tilburguniversity.edu	https://www.tilburguniversity.edu/staff/m-a-bolsinova?x=0&lan=nl
Dr. K. (Katrijn) van Deun	k.vandeun@tilburguniversity.edu	https://www.tilburguniversity.edu/staff/k-vandeun
Dr. W. (Wilco) Emons	W.H.M.Emons@tilburguniversity.edu	https://www.tilburguniversity.edu/nl/medewerkers/w-h-m-emons
Dr. John Gelissen (senior)	j.p.t.m.gelissen@tilburguniversity.edu	https://www.tilburguniversity.edu/staff/j-p-t-m-gelissen
Dr. Joran Jongerling	J.Jongerling@tilburguniversity.edu	https://www.tilburguniversity.edu/staff/j-jongerling
Dr. Maurits Kaptein (junior)	m.c.kaptein@tilburguniversity.edu	https://www.tilburguniversity.edu/staff/m-c-kaptein
Dr. Bennet Kleinberg	Bennett.Kleinberg@tilburguniversity.edu	https://www.tilburguniversity.edu/staff/bennett-kleinberg
Dr. Guy Moors (senior)	guy.moors@tilburguniversity.edu	https://www.tilburguniversity.edu/staff/guy-moors
Dr. Joris Mulder (junior)	j.mulder3@tilburguniversity.edu	https://www.tilburguniversity.edu/staff/j-mulder3
Dr. Michèle Nuijten (junior)	m.b.nuijten@uvt.nl	https://www.tilburguniversity.edu/staff/m-b-nuijten
Dr. K. (Kim) de Roover (junior)	k.deroover@tilburguniversity.edu	https://www.tilburguniversity.edu/staff/k-deroover
Dr. Inga Schwabe (junior)	i.schwabe@tilburguniversity.edu	https://www.tilburguniversity.edu/staff/i-schwabe
Dr. Jesper Tijmstra (junior)	j.tijmstra@tilburguniversity.edu	https://www.tilburguniversity.edu/staff/j-tijmstra
Prof. Jeroen Vermunt (senior)	j.k.vermunt@tilburguniversity.edu	https://www.tilburguniversity.edu/staff/j-k-vermunt

Dr. L.V.D.E. (Leonie) Vogelsmeier	L.V.D.E.Vogelsmeier@tilburguniversity.edu	https://www.tilburguniversity.edu/nl/medewerkers/l-v-d-e-vogelsmeier
Dr. L. (Lieke) Voncken	lieke.voncken@uvt.nl	https://liekevoncken.com/
Prof. A.G. (Ton) de Waal	a.g.dewaal@tilburguniversity.edu	https://www.tilburguniversity.edu/staff/a-g-dewaal
Prof. Jelte Wicherts (senior)	j.m.wicherts@tilburguniversity.edu	https://www.tilburguniversity.edu/staff/j-m-wicherts

University of Twente

Department of Cognition, Data and Education (Code)

Name	Email	Website(s)
Dr. ir. Jean-Paul Fox (senior)	g.j.a.fox@utwente.nl	https://personen.utwente.nl/g.j.a.fox
Dr. Stéphanie van den Berg (senior)	stephanie.vandenberg@utwente.nl	https://personen.utwente.nl/stephanie.vandenberg
Prof. dr. in. Bernard Veldkamp (senior)	b.p.veldkamp@utwente.nl	https://personen.utwente.nl/b.p.veldkamp

Statistics Netherlands (CBS)

Name	Email	Website(s)
Prof. Ton de Waal (senior)	t.dewaal@cbs.nl	https://www.tilburguniversity.edu/nl/medewerkers/a-g-dewaal
Prof. Barry Schouten (senior)	jg.schouten@cbs.nl	https://www.uu.nl/medewerkers/JGSchouten

Psychometric Research Center (Cito), Arnhem

Name	Email	Website(s)
Dr Remco Feskens (senior)	remco.feskens@cito.nl	https://cito.nl/onderzoek-innovatie/over-citolab/onze-teams/management-staf/remco-feskens//
Dr Marieke van Onna (senior)	marieke.vanonna@cito.nl	https://cito.nl/onderzoek-innovatie/over-citolab/onze-teams/team-psychometrisch-onderzoek-dienstverlening/marieke-van-onna/
Dr Bas Hemker (senior)	bas.hemker@cito.nl	https://cito.nl/onderzoek-innovatie/over-citolab/onze-teams/management-staf/bas-hemker/
Dr Iris Smits (junior)	iris.smits@cito.nl	https://cito.nl/onderzoek-innovatie/over-citolab/onze-teams/team-psychometrisch-onderzoek-dienstverlening/iris-smits/
Dr Joost Kruis (junior)	joost.kruis@cito.nl	https://cito.nl/onderzoek-innovatie/over-citolab/onze-teams/team-psychometrisch-onderzoek-dienstverlening/joost-kruis/

6.4 Associated staff members

Name	Email	University	Website(s)
Prof. Conor Dolan (senior)	c.v.dolan@vu.nl	Faculty of Psychology and Education, Dept. Biological, VU University Amsterdam	https://research.vu.nl/en/persons/cv-dolan
Dr. Sophie van der Sluis (junior)	sophie.van.der.sluis@cncr.vu.nl	VU University Amsterdam	https://research.vumc.nl/en/persons/sophia-van-der-sluis
Prof. Gerard van Breukelen (senior)	gerard.vbreukelen@maastrichtuniversity.nl	Methodology and Statistics, Maastricht University	https://www.maastrichtuniversity.nl/gerard.vbreukelen/research
Dr. Math Candel (senior)	math.candel@maastrichtuniversity.nl	Methodology and Statistics, Maastricht University	https://www.maastrichtuniversity.nl/math.candel/research

Dr. Shahab Jolani (senior)	s.jolani@maastrichtuniversity.nl	Methodology and Statistics, Maastricht University	https://www.maastrichtuniversity.nl/s.jolani/research
Dr. Jan Schepers (junior)	jan.schepers@maastrichtuniversity.nl	Methodology and Statistics, Maastricht University	https://www.maastrichtuniversity.nl/jan.schepers/research
Dr. Frans Tan (senior)	frans.tan@maastrichtuniversity.nl	Methodology and Statistics, Maastricht University	https://stat.mumc.maastrichtuniversity.nl/profile/frans.tan%40maastrichtuniversity.nl
Dr. T. D. Tran (junior)	trungdung.tran@kuleuven.be	Methodology and Statistics, Maastricht University	
Dr. Wolfgang Viechtbauer (senior)	wolfgang.viechtbauer@maastrichtuniversity.nl	Psychiatry & Neuropsychology, Maastricht University	https://www.wvbauer.com
Prof. Lidia Arends (senior)	arends@fsw.eur.nl	Psychology Institute, Erasmus University Rotterdam	https://www.eur.nl/people/lidia-arends
Prof. Patrick Groenen (senior)	groenen@ese.eur.nl	Erasmus School of Economics, Erasmus University Rotterdam	https://personal.eur.nl/groenen/
Dr. Marike Polak (junior)	polak@fsw.eur.nl	Psychology Institute, Erasmus University Rotterdam	https://www.eur.nl/people/marike-polak
Dr. Rogier Kievit	rogier.kievit@radboudumc.nl	Donders Institute for Brain, Cognition and Behaviour Radboud University	https://www.rogierkievit.com/
Dr. Hilde Tobi (senior)	hilde.tobi@wur.nl	Biometris, Wageningen University	https://www.wur.nl/nl/personen/hilde-dr.-h-hilde-tobi.htm

6.5 Honorary emeritus members

- ❖ Prof. Martijn Berger, martijn.berger@maastrichtuniversity.nl
- ❖ Prof. Jelke Bethlehem, jelkeb@xs4all.nl
- ❖ Dr. A. (Anne) Boomsma, a.boomsma@rug.nl

- ❖ Prof. Paul De Boeck, deboeck.2@osu.edu
- ❖ Prof. Wil Dijkstra, w.dijkstra@fsw.vu.nl
- ❖ Prof. dr. T.J.H.M. Eggen
- ❖ Prof. Paul Eilers, p.eilers@erasmusmc.nl
- ❖ Prof. Cees Glas, c.a.w.glas@utwente.nl
- ❖ Prof. Jacques Hagenaars, jacques.a.hagenaars@tilburguniversity.edu
- ❖ Prof. Willem Heiser, heiser@fsw.leidenuniv.nl
- ❖ Prof. Joop Hox, j.hox@uu.nl
- ❖ Prof.dr. H. Kelderman, h.kelderman@fsw.leidenuniv.nl
- ❖ Prof. Pieter Kroonenberg, kroonenb@fsw.leidenuniv.nl
- ❖ Prof. Gideon Mellenbergh, g.j.mellenbergh@uva.nl
- ❖ Prof. J.J. (Jacqueline) Meulman (junior)
- ❖ Prof. Robert Mokken, mokken@science.uva.nl
- ❖ Prof. Ab Mooijaart, mooijaart@fsw.leidenuniv.nl
- ❖ Prof. Willem Saris, w.saris@telefonica.net
- ❖ Prof. Tom Snijders, t.a.b.snijders@rug.nl
- ❖ Prof. Jos Ten Berge, j.m.f.ten.berge@rug.nl
- ❖ Prof. Wim Van der Linden, wim_vanderlinden@ctb.com
- ❖ Prof. Hans Van der Zouwen, j.van.der.zouwen@fsw.vu.nl
- ❖ Dr. Norman Verhelst, norman.verhelst@gmail.com
- ❖ Prof. Iven Van Mechelen, iven.vanmechelen@ppw.kuleuven.be
- ❖ Prof. Klaas Sijtsma, k.sijtsma@tilburguniversity.edu

7 Scientific awards and grants

7.1 Awards and grants honored to IOPS staff members

7.1.1 Scientific awards

Prof. E.-J. Wagenmakers: 2022 Psychonomic Society Mid-Career Award

7.1.2 NWO Grants

NWO Veni, Vidi, Vici grants These are part of the NWO Innovational Research Incentives Scheme (Vernieuwingsimpuls]				
Name	Grant	Project	Period	Budget
Ravenzwaaij, D., van, University of Groningen	Back to Bayesics: Solving the Reproducibility Crisis in Biomedicine	Vidi	Nov. 2018 – nov. 2023	€800.000
Oberski, D.L., Utrecht University	Advancing social science with valid measures derived from incidental data	Vidi	Dec. 2019 - Dec. 2024	€800.000
Lissa, C.J., van, Utrecht University	Predicting emotional development in adolescence	Veni	Jan. 2020 - Jan. 2024	€250.000
Aert, R.C.M., van, Tilburg University	Empowering meta-analysis by taking advantage of preregistered and replication studies	Veni	Oct. 2022 - Oct. 2025	€250.000
De Roover, K., Tilburg University	Cluster-based methods for validly comparing structural equation models	Vidi	Sept. 2021 - Sept. 2026	€800.000
Mulder, J., Tilburg University	Statistical Modeling of Dynamic Social Network Using Relational Event Histories	Vidi	2018-2022	€800.000

Nuijten, M., Tilburg University	The Four-Step Robustness Check: Assessing and Improving Robustness of Psychological Science	Veni	Jan. 2021 - Jan. 2024	€250.000
Van Deun, K., Tilburg University	Big Data in Social Sciences Statistical Methods for multi-source high-dimensional data	Vidi	Sept. 2017 - Sept. 2022	€800.000
Marsman, M., University of Amsterdam	The Psychometrics of Learning	Veni	2018-2022	€250.000
Haaf, J., University of Amsterdam	Same or Different? Modeling Individual Differences in Cognitive Tasks	Veni	17-10-2021 - 16-6-2025	€245.072
Jak, S., University of Amsterdam	One size fits all? New ways for meta-analysis	Veni	2017-2022	€250.000
Jorgensen, T., University of Amsterdam	Evolving models for dyadic network data to represent and test complex theories	Veni	2019-2022	€250.000
Jak, S., University of Amsterdam	No data left behind. Meta-analytic SEM	Vidi	2022-2027	€800.000
Niessen, A.S.M., University of Groningen	Beyond black boxes and biases	Veni	2022-2026	€280.000

NWO Research Talent grants
NWO Research Talent is a responsive mode funding scheme, which offers talented and ambitious young researchers a platform to pursue a scientific career and carry out high-quality PhD research

Name	Project	PhD student	Period	Budget
Kaptein, M.C., Mulder, J., Tilburg University	Making the most of clinical trails: Increasing efficiency using novel Bayesian methods for information sharing within and between trails	PhD Student Xynthia Kavelaars	2018-2022	

Wagenmakers, Eric-Jan, Visser, I, Raijmakers, M.E.J. University of Amsterdam	Inferring cognitive strategies from eye-movement sequences: A Bayesian model-based	S. Kucharsky, PhD student	2019-2024	€225.850

NWO Aspasia grants **With the Aspasia grants, NWO stimulates the promotion of female researchers in higher ranking**			
Name	Project	Period	Budget
Kuiper, R.M, Utrecht University	Aspasia	01.09.22 t/m 31.08.27	€120.000

NWO - other grants			
Name	Project	Period	Budget
Hoijtink, H., Utrecht University	PI in NWO Gravity Grant: Individual development: Why some children thrive and others don't	2012-2022	€540.000
Hamaker, E.L., Utrecht University	Graviation CID: How to study causes and their effects in developmental processes.	2019-2024	€236.000
Timmerman, M.E. & Albers, C.J., University of Groningen	What is normal? Accurate norms and their use for psychological tests	2022-2027	€666.000
van der Maas, H., Grasman, R., van Gaal, S., Nunez, M. University of Amsterdam	NWO SGW Open Competitie: Cascading transitions in multistable perception and cognition	2022-2026	€285.000
de Rooij, M.J., Leiden University	Co-applicant of NWO Gravity Grant - GUTS (Growing Up Together in Society) consortium	2022-2023	

7.1.3 International grants

Name	Project	Period	Budget

Hamaker, E.L., Utrecht University	ERC Consolidator	2020-2025	€2.000.000
Marsman, M., University of Amsterdam	ERC Starting Grant - Bayesian P-Nets: A New Bayesian Foundation for Psychometric Network Modelling	2022-2027	€1.500.000
Mulder, J., Tilburg University	ERC Starting Grant	2018-2023	€1.500.000
Wicherts, J.M., Tilburg University	European Research Council (ERC)	2017-2022	€2.000.000
Jansen, B.R.J., Stevenson, C., Maas, H.L.J. van der, UvA	COVID-19 Education Challenge, Jacob's foundation	2021-2022	€94.052
B. Schouten (CBS, DESTATIS, INSEE, ISTAT, SSB, StatBEL, SURS, Mannheim University, Utrecht University, Vrije Universiteit Brussel and Hbits)	Smart Survey Implementation (SSI)	2023-2025	€2.000.000
van der Maas, H. University of Amsterdam	ERC Advanced Grant: Beyond the tipping point: Cascading transitions in the behavioural and social sciences.	2023-2028	€2.500.000
K. De Roover, KU Leuven	ERC: Understanding the Processes Underlying Societal Threats using Novel Cluster-based Methods	2022-2027	€1.499.500

7.1.4 Other grants

Name	Project	Period	Budget
Sukpan, C., Utrecht University	Inequality-constrained model selection (for dynamical models)	2019-2022	€220.000
Heijden, P.G.M. van der, Utrecht University	Applied Data Science	2018-2022	€1.400.000
Cai, M., Utrecht University	PhD project	2018-2022	€220.000
Qi, Q., Utrecht University	PhD-project	2019-2023	€220.000

Tang, D., Utrecht University	PhD-project	2020-2024	€220.000
Sayed, K., Utrecht University	PhD-project	2020-2024	€220.000
Moazeni, M. + Aarts, E., Utrecht University	Health Holland	2020-2024	€250.000
Schoot, A.G.J. van de, Utrecht University	ZonMw-NWA	2020-2025	€35.333
Oberski, D.O. & Lugtig P.J., Utrecht University	ODISSEI	2020-2024	€808.000
Schwabe, I., Jongerling, van den Heuvel, M. (CNP), van Bakel, H. (Tranzo)	HSRI Funding for a PhD project	2022-2026	
Sijtsma, K., Vera Lizcano, J.C., Van Deun, K., Tilburg University	Data science grant (Tilburg University) PhD	2018-2022	
Van Deun, K., Kleinberg, B. , De Vries, E.	HSRI funding for a PhD Project	Jan 2021-Jan 2024	
Ceulemans E., Adolf J. (FWO)	Het bepalen van de vereiste steekproefgrootte voor intensieve longitudinale onderzoeksopzetten.	01/10/2021 - 31/12/2024	€449.135,78
Tuerlinckx F., Kuppens P., Vandaele T., Germeys I.	"m-Path: Een op experience sampling gebaseerde tool voor blended care."	01/10/2020 - 30/09/2023	€414.969
Ceulemans E.	EOS: Biobehavioral triadic dynamics of stress resilience in families	01/01/2022 - 31/12/2025	€606.149
Mestdagh M. (FWO)	Postdoc	01/10/2020 - 30/09/2023	
Dejonckheere E. (FWO)	Postdoc	01/10/2020 - 30/09/2023	
Everaert J. (FWO)	Postdoc	01/10/2021 - 30/09/2024	
Kuppens P., Lazarus G. MSCA (ERC)	Personalized Prediction and Intervention for Behavioral Avoidance and Maladaptive Affective States	01/10/2020 - 30/09/2023	

Tuerlinckx, F. (co-promotor) (2019)	Higher Education Learning Platform for Quantitative Thinking (Erasmus +)	1/09/2019 – 31/08/2022	€30.186,64
Tuerlinckx, F., Van Mechelen, I., Kuppens, P., Ceulemans, E., & Vanpaemel, W.	Ontsporing van het affectieve system: Meting, vroegtijdige detectie en onderliggende mechanismen excellentielabel	1/10/2019 – 30/09/2023	€142.240
Tuerlinckx, F., Van Mechelen, I., Kuppens, P., Ceulemans, E., & Vanpaemel, W.	Ontsporing van het affectieve system: Meting, vroegtijdige detectie en onderliggende mechanismen	1/10/2019 – 30/09/2023	€1.422.400
Van Mechelen I., Tuerlinckx F., Kuppens P., Ceulemans E., Vanpaemel W.	Ontsporing van het affectieve systeem: Meting, vroegtijdige detectie en onderliggende Mechanismen	1/10/2019-30/09/2023	€1.422.400
Schouten, B., CBS	Eurostat project @HBS2 voor onderzoek naar push-to-app strategies en semi-automated processing of receipts in de household budget survey.	1/3/2021-30/6/2022	
Haaf, J., Bazin, P-L., Hoogeveen, S., University of Amsterdam	Amsterdam Brain and Cognition Talent grant (postdoc): Improving the reliability of individual differences using joint modeling	2021-2022	€124.987
N.J.B. Mangin, C.J. Albers, M.E. Timmerman	SURF Stimuleringsregeling Open en Online Onderwijs: EPIFFANI	2021-2023	€29.250
A. S. M. Niessen, K. M. Stegers-Jager, R. R. Meijer, M. Ph. Born, J. K. Oostrom, & M. Tillema.	Establishing Valid and Fair Performance-based Assessment of Professional Skills in Higher Education (NRO)	2022-2027	€601.335
Wagenmakers, E.-J., de Haan, E., Aust, F., University of Amsterdam	Amsterdam Brain and Cognition Talent grant (postdoc): Informative and efficient Bayesian hypothesis tests for lesion studies	2022	€125.000
Marsman, M, Schrantee, A., Blanken, T., University of Amsterdam	Amsterdam Brain and Cognition Project grant: More than the sum of its parts: Exploiting the synergy between psychological and brain networks	2022-2023	€250.987
Szymanic, J., Haaf, J., Visser, I., University of Amsterdam	Amsterdam Brain and Cognition Project grant: From rigid theory to cognitive models: a framework to study individual differences in meaning representations	2022-2023	€250.000

| Tuerlinckx F., Moors A., Kuppens P., Ceulemans E., De Roover K. | Affectometrie: Het verbeteren van de meting van affect in het dagelijks leven. | 2023-2027 | € 1.724.522 |
| Schreuder M. (FWO) | Postdoc | 2023-2026 | €12.000 |

7.2 Awards and grants honored to IOPS PhD students

7.2.1 Scientific awards

Name	Award	Date
Jeffrey Durieux University of Leiden, Institute of Psychology, Methodology and Statistics Unit	Best paper Award 2022: 'Clusterwise Independent Component Analysis (C-ICA): Using fMRI resting state networks to cluster subjects and find neurofunctional subtypes'	2022
Jeffrey Durieux University of Leiden, Institute of Psychology, Methodology and Statistics Unit	Leiden Psychology PhD Publication Award: 'Clusterwise Independent Component Analysis (C-ICA): using fMRI resting state networks to cluster subjects and find neurofunctional subtypes'	December 2022
Kevin Kloos University of Leiden, Institute of Psychology, Methodology and Statistics Unit	Best poster presentation 'Continuous Sweep: a new parametric quantifier' (IOPS summer conference 2023)	2022

8. Finances

8.1 Financial statement 2022

Receipts
The participating institutes of Leiden University, University of Amsterdam, VU University of Amsterdam, University of Groningen, University of Twente, Tilburg University, Utrecht University, Statistics Netherlands (CBS), and Cito Arnhem contributed financially according to the number of their PhD students that participated in IOPS on 1 July 2022. The participation fee for 2022 was € 800 per PhD student. KU University of Leuven pays an annual flat fee of €3.000 for participation in IOPS. Associated institutes with PhD students in the IOPS Graduate School, participated on the same terms.
Apart from the above mentioned annual contributions, no other funds are available for the IOPS Interuniversitary Graduate School.

This resulted in a credit balance for the year 2022 of € 8.609,21

8.2 Summary of receipts and expenditures in 2022

Receipts		Expenditures		
		Salaries IOPS office		
		Secretary, 0,4 fte	29.339,32	
Contribution participating institutions	44.600,00	Salary director 0,1fte	19.509,95	
Congres	715,54	Other personel costs		
		Subtotal		48.849,27
		Printed matter	0,64	
		Leuven catering juni 2022	2.082,60	
		Representation costs	1.046,40	
		Webhosting	235,79	
		Best Paper Award	600,00	
		IOPS Summerschool conference 2022	1.110,05	
Subtotal Receipts	45.315,54	Subtotal		5.075,48

Negative financial outcome 2022	8.609,21			
Total receipts	53.924,75	Total expenditures		53.924,75

8.3 Balance sheet 2022

IOPS Own Funds 2022

Debet	Euro	Credit	Euro
Own Funds 31-12-2022	40.088,55	Own Funds 01-01-2022 Results 2021	48.697,76 -8.609,21
Total Debet	40.088,55	Total Credit	40.088,55

9 Appendix 1: Contact details of IOPS institutes

9.1.1 Participating Institutes

University	Department	Address - contact	E-mail
Leiden University Faculty of Social and Behavioural Sciences			
	Methodology and Statistics Unit Institute of Psychology	P.O. Box 9555, 2300 RB Leiden Secretary: Ingrid Penning	secr.psy.ms@fsw.leidenuniv.nl
	Education and Child Studies Institute of Education	P.O. Box 9555, 2300 RB Leiden Secretary: Esther Peelen	peelene@fsw.leidenuniv.nl
	Statistical Science for the Life and Behavioral Sciences Mathematical Institute	P.O. Box 9512, 2300 RA Leiden Michelle Krens	m.h.g.krens@math.leidenuniv.nl
	Klinische Psychologie	Annelies Oskam	a.l.oskam@fsw.leidenuniv.nl
University of Amsterdam Faculty of Social and Behavioural Sciences			
	Psychological Methods Department of Psychology	Nieuwe Achtergracht 129-B Postbus 15906, 1001 NK Amsterdam Secretary: Lilian Heijmans	mlsecretariaat-fmg@uva.nl
	Developmental Psychology Department of Psychology	Postbus 15916, 1001 NK Amsterdam Secretary: Helma Kruijk	opsecretariaat-fmg@uva.nl
	Work and Organizational Psychology Department of Psychology	Nieuwe Achtergracht 129 B, Amsterdam Postbus 15919 Secretary: Jeannette van den Akker	aosecretariaat-fmg@uva.nl
	Methods and Statistics Department of Child Development and Education	Nieuwe Achtergracht 127, Amsterdam Postbus 15906 Secretary: Marielle de Reuver	secretariaat-pow-fmg@uva.nl J.M.deReuver@uva.nl

University of Groningen Faculty of Behavioural and Social Sciences			
	Psychometrics and Statistics Department of Psychology	Grote Kruisstraat 2/1, 9712 TS Groningen Secretary: Hanny Baan	j.m.baan@rug.nl
	Theoretical Sociology Department of Sociology	Grote Kruisstraat 2/1, 9712 TS Groningen Secretary: Josse van Geffen	j.van.geffen@rug.nl
	Department of education		sec.gion@rug.nl
University of Twente Faculty Behavioural, Management and Social Science (BMS)			
	Section Cognition Data and Education (CoDE)	P.O. Box 217, 7500 AE Enschede Secretary: Jasmine van der Weerd & Ellen Hofstede	secretariat-code-bms@utwente.nl
Tilburg University Tilburg School of Social and Behavioral Sciences			
	Methodology and Statistics	P.O. Box 90153, 5000 LE Tilburg Secretary: Anne-Marie van der Heijden	a.m.j.heijden@uvt.nl
Utrecht University Faculty of Social and Behavioural Sciences			
	Methodology and Statistics	Padualaan 14, 3584 CH Utrecht P.O. Box 80.140, 3508 TC Utrecht Secretary: Chantal Molnár-van Velde	c.molnar@uu.nl
KU Leuven, University of Leuven, Belgium Faculty of Psychology and Educational Sciences			
	Research Group of Quantitative Psychology and Individual Differences	Tiensestraat 102 box 3713, B-3000 Leuven, Belgium Secretary: Nathalie Humblet	nathalie.humblet@kuleuven.be
Statistics Netherlands (CBS), Den Haag			

		P.O. Box 24500, 2490 AH Den Haag Ton de Waal	t.dewaal@cbs.nl
Psychometric Research Center (Cito), Arnhem			
		P.O. Box 1034, 6801 MG Arnhem Secretary: Eline Veerman	Eline.Veerman@cito.nl

9.1.2 Cooperating institutes

University of Groningen Faculty of Behavioural and Social Sciences	
Department of Education	Grote Rozenstraat 38, 9712 TJ Groningen
VU University Amsterdam Faculty of Psychology and Education	
Department of Clinical Psychology	Van der Boechorststraat 1, 1081 BT Amsterdam
Department of Biological Psychology	Van der Boechorststraat 1, 1081 BT Amsterdam
Maastricht University Faculty of Health, Medicine and Life Sciences & Faculty of Psychology & Neuroscience	
Department of Methodology and Statistics	P.O. Box 616, 6200 MD Maastricht
Erasmus University Rotterdam	
Department of Econometrics	P.O. Box 1738, 3000 DR Rotterdam
Department of Psychology, Education & Child Studies	P.O. Box 1738, 3000 DR Rotterdam
Wageningen University	
Biometrics	P.O. Box 8130, 6700 EW, Wageningen