

Dieko M. Bakker *April 18, 1992*

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Summary

Currently employed as lecturer at the University College Groningen, part of the University of Groningen. My PhD thesis, written at the Department of Sociology of the University of Groningen and affiliated with the Interuniversity Center for Social Science Theory and Methodology (ICS) graduate school, is completed and is under review by the reading committee.

My research focuses on group dynamics, with emphasis on cooperation. I have worked with a variety of methods, including behavioral experiments, surveys, and theoretical models. My work has been presented at 6 international conferences, and has hitherto resulted in three peer-reviewed publications and 4 first-authored manuscripts submitted or soon to be submitted, all to international journals.

Employment history

University College, University of Groningen	GRONINGEN, THE NETHERLANDS
Lecturer	2018 – present
Teaching courses in statistics, research methods, and social sciences.	
University of Groningen	GRONINGEN, THE NETHERLANDS
PhD Student	2014 – present
Within the graduate school of the Interuniversity Center for Social Science Theory and Methodology. PhD position funded by the BSS PhD fund (competitive application).	
University of Groningen	GRONINGEN, THE NETHERLANDS
Teaching assistant for statistics courses	2010 – 2014
Teaching practical statistical knowledge to first year students. Subjects include standard descriptive and inferential statistics, linear and logistic regression analysis and non-parametric tests.	

Full-time education

University of Groningen	GRONINGEN, THE NETHERLANDS
Research Master Behavioral & Social Sciences	2012 – 2014
Graduated cum laude August 27th, 2014.	
University of Groningen	GRONINGEN, THE NETHERLANDS
Bachelor in Sociology	2009 – 2012
Graduated August 31st, 2012.	
Marnix College	EDE, THE NETHERLANDS
Bilingual (English and Dutch) pre-university education (VWO)	2003 – 2009

Additional education

University of Groningen	GRONINGEN, THE NETHERLANDS
Teaching training for the supervision of bachelor's theses	2018
Training in individual supervision of students writing their bachelor's thesis, using active learning methods, and giving effective feedback.	
University of Groningen	GRONINGEN, THE NETHERLANDS
Teaching training for teaching assistants and PhDs	2015
Training in lecturing and small group teaching.	
University of Groningen	GRONINGEN, THE NETHERLANDS
Honours College	2010 – 2012
Participated in University's Honours College.	
International Baccalaureate	
Language A2 Higher Level, English language	2007 – 2009
The equivalent certificate is currently named Language B, Higher Level.	

Research

Journal articles

- [1] Dieko M. Bakker and Jacob Dijkstra. "A comparison of three measures of Social Value Orientation". Manuscript in preparation and included in dissertation.
- [2] Dieko M. Bakker, Jacob Dijkstra, and Andreas Flache. "Institutional punishment is more robust to oppositional control than peer punishment". Manuscript in preparation and included in dissertation.
- [3] Dieko M. Bakker, Jacob Dijkstra, and Andreas Flache. "Multiple group membership in public good problems". Manuscript in preparation and included in dissertation.
- [4] Dieko M. Bakker, Jacob Dijkstra, and Andreas Flache. "Peer punishment and retaliation in ongoing interactions". Manuscript being revised to resubmit at international peer reviewed journal.
- [5] Jacob Dijkstra, Loes Bouman, Dieko M. Bakker, and Marcel A.L.M. Van Assen. "Modeling the micro-macro link: Understanding macro-level outcomes using randomization tests on micro-level data". In: *Social Science Research* 77 (2019), pp. 79–87.
- [6] Jacob Dijkstra and Dieko M. Bakker. "Relative power: Material and contextual elements of efficacy in social dilemmas". In: *Social Science Research* 62 (2017), pp. 255–271.

Edited volumes

- [1] Andreas Flache, Dieko M. Bakker, Michael Mäs, and Jacob Dijkstra. "The double edge of counter-sanctions: Is peer sanctioning robust to counter-punishment but vulnerable to counter-reward?" In: *Social dilemmas, institutions, and the evolution of cooperation*. Ed. by Ben Jann and Wojtek Przepiorka. Oldenbourg: De Gruyter, 2017, pp. 279–302.
- [2] Andreas Flache and Dieko M. Bakker. "De zwakke kant van sociale controle. Theoretisch en experimenteel onderzoek naar de spanning tussen groepsreciprociteit en relationele reciprociteit in een sociaal dilemma". In: *Samenwerking in sociale dilemma's. Voorbeelden van Nederlands onderzoek*. Ed. by Vincent Buskens and Ineke Maas. Amsterdam: Amsterdam University Press, 2012, pp. 103–130.

Conference presentations

- [1] Dieko M. Bakker, Jacob Dijkstra, and Andreas Flache. "Caught in the middle: multiple group membership in public good problems". In: *International Meeting on Experimental and Behavioral Social Sciences*. Utrecht, The Netherlands, 2019.
- [2] Dieko M. Bakker and Jacob Dijkstra. "A comparison of three measures of Social Value Orientation". In: *Annual Meeting of the American Sociological Association*. Montreal, Canada, 2017.
- [3] Dieko M. Bakker, Jacob Dijkstra, and Andreas Flache. "Compliant and oppositional control in norm enforcement institutions". In: *Third ISA Forum of Sociology*. Vienna, Austria, 2016.
- [4] Andreas Flache, Dieko M. Bakker, Michael Mäs, and Jacob Dijkstra. "The double edge of counter-sanctions. How peer sanctioning can be robust to counter-punishment but vulnerable to counter-reward". In: *9th Conference of the International Network of Analytical Sociologists*. Utrecht, The Netherlands, 2016.
- [5] Dieko M. Bakker and Jacob Dijkstra. "Relative power: Material and contextual elements of efficacy in social dilemmas". In: *Annual Meeting of the American Sociological Association*. Chicago, IL, 2015.
- [6] Dieko M. Bakker, Jacob Dijkstra, and Andreas Flache. "Cooperation and retaliation in collective good games: does counter-punishment really destroy cooperation?" In: *Social Norms and Institutions: Model Building, Empirical Corroborations, and Applications*. Ascona, Switzerland, 2015.
- [7] Andreas Flache, Dieko M. Bakker, and Jacob Dijkstra. "The weak side of informal control: counter-reward and counter-punishment in collective good games". In: *Symposium Social learning and human cooperation*. Groningen, The Netherlands, 2014.

Administrative experience

Lab manager for the Sociological Laboratory

www.soclab.nl

Duties include scheduling and conducting experiments, keeping the lab's records up to date, supervising the lab assistant in charge of recruitment and administrative duties, maintaining and improving the lab's software architecture.

GRONINGEN, THE NETHERLANDS

2014 - present

Professional activities

Research visits:

November - December 2016: Research visit at University of Zurich, visiting Prof. Dr. Heiko Rauhut to work on a joint research project.

Knowledge dissemination:

Introduction to oTree: taught a workshop on the oTree software for programming behavioral experiments to students and staff members of the University of Groningen's Sociology department on March 15th 2018

Member of:

American Sociological Association
Nederlandse Sociologische Vereniging (Dutch Sociology Association)
James Coleman Association

Reviewed for:

American Journal of Sociology
Social Forces
Social Psychology Quarterly
Social Influence

Skills

Research and statistical expertise: Experienced in design of behavioral experiments. Experienced in statistical analysis of experimental and survey data, including e.g. multilevel analysis and randomization tests. Regularly work with R and SPSS. Familiar with MLwiN and Stata.

Programming expertise: Experienced in Python programming. Have used both Python (Flask), oTree and zTree to program behavioral experiments. Have used both Python and NetLogo to program simulations of social phenomena. Have developed software to improve the functioning of the Sociological Laboratory (e.g. to track experiments and to contact participants efficiently).

Natural languages: Dutch (*native proficiency*), English (*bilingual proficiency*), French (*limited working proficiency*), German (*limited working proficiency*) and Spanish (*limited working proficiency*).

Teaching experience

Project coordination: **Minor Data Wise: Collaborative data project**

University of Groningen, Undergraduate Course 2019 – Present
Overall coordinator of multiple data science projects with external partners, in a new university minor which starts in September 2019.

Practicals: **Minor Data Wise: Opinion Dynamics on the Internet**

University of Groningen, Undergraduate Course 2019 – Present
Developing and supervising computer labs on web scraping and agent-based modeling in the context of a course on opinion dynamics, personalization, digital trace data and online research methods. This course is part of the minor program Data Wise, which is due to start in September 2019.

Practicals: **Advanced Statistics**

University of Groningen, Undergraduate Course 2019 – Present
Providing assistance at computer practicals, as well as grading and giving feedback on final assignments. Students work with data on which they write their bachelor thesis.

Project supervision: **Bachelor Thesis**

University College Groningen, Undergraduate Course 2018 – Present
Individual supervision of students writing their bachelor thesis in the domain of social sciences.

Lectures / practicals / course coordination: **Statistics 1, Statistics 2, Quantitative Methods**

University College Groningen, Undergraduate Course 2018 – Present
Lecturing and supervising practical sessions on quantitative research methods and statistics, starting with basic knowledge about the process of quantitative research in social science and ending with more advanced topics such as multilevel models and resampling methods. Students additionally learn to design, perform and analyze their own experiment.

Lecturing: **Application of Theories**

University of Groningen, Undergraduate Course 2016 – 2018
Presenting one of the lectures in this course. The lecture is dedicated to micro-macro explanations, discussing how individual level theories can help explain social phenomena.

Project supervision: Bachelor Thesis

University of Groningen, Undergraduate Course

2015 – 2018

Individual supervision of students writing their BSc theses.

Project supervision: European Values

University of Groningen, Undergraduate Course

2015 – 2018

Small group teaching to teams of second-year students working on a research projects. The project involves a a cross-national comparison based on the European Values Study. The projects teaches students how to develop an appropriate research question, come up with a well-developed theoretical answer and test the validity of their answers statistically.

Lecturing: Theories of Society

University of Groningen, Undergraduate Course

2017

Presenting one of the lectures in this course. Each lecture is dedicated to the discussion of a book related to sociology and society. I presented Duncan Watts' book *Everything is obvious*.

Project supervision: Behavioural and Social Sciences - An Introduction

University of Groningen, Graduate Course

2015

Supervision of first-year research master students who are asked to develop research proposals appropriate for one research group within the faculty. As the Norms and Networks research group we offered two topics to work on, one of which I supervised.

Teaching assistant for statistics practicals

University of Groningen, Undergraduate Course

2010 – 2014

Teaching statistics practicals to first-year students, using pen-and-paper excercises as well as software for statistical analyses (SPSS). Students take three statistics courses in their first year, starting with the basics of probability theory and descriptive statistics and finishing with subjects such as (logistic) multiple regression, ANOVA/ANCOVA and nonparametric tests.