Marijn A. Keijzer

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1.   Academic positions

Research fellow   2021 – present
Institute for Advanced Study in Toulouse, University of Toulouse 1 Capitole
Department of Social and Behavioral Sciences, Toulouse School of Economics

Postdoctoral researcher   2021
Chair of Sociology and Computational Social Science
Karlsruhe Institute of Technology, Germany

2.   Education

PhD in Sociology   2016 – 2021
Cum laude
University of Groningen & Interuniversity Center for Social Science Theory and Methodology (ICS)

MSc in Sociology   2014 – 2016
Cum laude
Utrecht University & Interuniversity Center for Social Science Theory and Methodology (ICS)

BSc in Sociology   2009 – 2013
Utrecht University

3.   Teaching

3.1.   Courses

'Graph Analysis' (M2)   2024
As teaching assistant, at the Toulouse School of Economics

'Sozialforschung: Wann und warum entsteht Meinungspolarisierung?' (B2)   2021
As co-lecturer, at the Karlsruhe Institute of Technology

'Opinion Dynamics on the Internet' (ODIN) (B3)   2019 – 2021
As lecturer and coordinator, at the University of Groningen

'De Gemeente en Haar Burgers' (B1)   2017 – 2019
As teaching assistant, at the University of Groningen

3.2. Supervision

'Co-design' project (B3)   **2022 – 2023**
As project host, at the IAST & HU University for Applied Sciences Utrecht

'Collaborative Data Projects' (B3)   **2019 – 2021**
As supervisor, at the University of Groningen

Internships   **2018 – 2020**
As supervisor, at the University of Groningen

Bachelor theses (B3)   **2017 – 2019**
As supervisor, at the University of Groningen

3.3. Tutorials

2021   'Social Influence Modeling in Python Using defSim' with Dieko Bakker and Anton Laukemper at the European Social Simulation Association's SocSimFest. [link]

2019   'Validating Models of Opinion Polarization in the Digital Era' with Jan Lorenz, Andreas Flache and Michael Mäs at the European conference for Computational Social Science. [link]

3.4. Guest lectures

2023   Introduction to agent-based modeling. *BIGSSS Summer School in Computational Social Science of Democratic Debate.* Co-lectured with Jan Lorenz [link]

2022   Social influence modeling in Python using defSim. *BIGSSS Summer School in Computational Social Science of Social Cohesion.* [link]

2021   Digital trace data. *Opinion Dynamics on the INternet*, Minor program Data Wise: Data Science for Society, University of Groningen.

2020   Diffusion of information and social influence in networks. *Theorizing Change*, Research master program in Behavioural and Social Sciences, University of Groningen. Co-lectured with Jacob Dijkstra [link]

4. Experience

Visiting Associate   **2020**
University of Pennsylvania

Research Assistant   **2011 – 2016**
Utrecht University

Intern   **2015**
Netherlands Institute for Social Research

Intern   **2013 – 2014**
Trajectum Knowledge Center

5. Publications

5.1. Peer-reviewed

2024   Steiglechner, Keijzer, Smaldino, Moser & Merico. Noise and opinion dynamics: How ambiguity promotes pro-majority consensus in the presence of confirmation bias. *Royal Society of Open Science* [preprint: 10.31235/osf.io/u2t7r]

2024   Keijzer, Mäs & Flache. Polarization on Social Media: Micro-Level Evidence and Macro-Level Implications. *the Journal of Artifical Societies and Social Simulation* [doi: 10.18564/jasss.5298]

2023   Terzopoulou, Keijzer, Gogulapati & Heitzig. The Rule–Tool–User Nexus in digital collective decisions. *AAMAS '23* [doi: 10.5555/3545946.3598841]

2022   Keijzer & Corten. Socioeconomic status, reputation, and interpersonal trust in peer-to-peer markets: Evidence from an online experiment. *Rationality & Society* [doi: 10.1177/10434631221131771]

2022   Keijzer & Mäs. The complex link between filter bubbles and opinion polarization. *Data Science* [doi: 10.3233/DS-220054]

2021   Keijzer & Mepham. Een pandemie van polarisatie? [A polarisation pandemic?]. *Mens & Maatschappij* [doi: 10.5117/MEM2021.2.003.KEIJ]

2021   Keijzer & Mäs. The strength of weak bots. *Online Social Networks and Media* [doi: 10.1016/j.osnem.2020.100106]

2018   Keijzer, Mäs & Flache. Communication in online social networks fosters cultural isolation. *Complexity* [doi: 10.1155/2018/9502872]

5.2. Book chapters

Forthcoming   Flache, Keijzer & Mäs. Agent-based models and networks. In Yasseri (Ed.). *Handbook of Computational Social Science: Volume I*

2022   Flache, Mäs & Keijzer. Computational approaches in rigorous sociology: Agent-based computational sociology and computational social science. In Gërxhani, De Graaf & Raub (Ed.). *Handbook of Rigorous Theoretical and Empirical Sociology* [doi: 10.4337/9781789909432.00011]

5.3. Books

In preparation   Keijzer, Lorenz & Bojanowski (Ed.). *Computational Social Science of Social Cohesion and Polarization*. Springer Computational Social Science Series

5.4. Other publications

2022   Keijzer. If you want to be cited, calibrate your agent-based model: Reply to Chattoe-Brown. *Review of Artificial Societies and Social Simulation*. [link]

2021   De Matos Fernandes & Keijzer. No one can predict the future: More than a semantic dispute. *Review of Artificial Societies and Social Simulation*. [link]

5.5. Invited talks

2024/4/19   Cooperation under affective polarization. Presented at the *Colloquium on Analytical Sociology* organized by the European University Institute (Florence, Italy)

2023/12/3   Calibration (and validation!) for mechanistic understanding of social systems. Presented at the *Explaining macro dynamics: On the use of empirically calibrated simulations in social sciences* organized by the Institute for Analytical Sociology, LiU (held in Athens, Greece)

2023/03/16   The strength of weak bots. Presented in the *International roundtable on Computational Social Science* at the Institute for Analytical Sociology, LiU (Norrköping, Sweden)

2022/12/15   The complex link between filter bubbles and opinion polarization. Presented in *IRIT external seminar* at University of Toulouse 1 Capitole (Toulouse, France)

5.6. Conference presentations

2024/05/31   Coordination under affective polarization. Presented at *16th International Network for Analytical Sociology conference* (Leipzig, Germany)

2022/09/15	The strength of weak bots. Presented at *ESSA Social Simulation Conference* (Milan, Italy)
2021/09/17	Micro-foundations of polarization in online social media. Presented at *Annual Conference for Experimental Sociology* (Ascona, Switzerland)
2021/03/16	Micro-foundations of polarization in online social media: A model In the lab fed back into the model. Presented at *ESSA's SocSimFesT 2021* (online)
2019/09/01	Validating models of opinion polarization on the micro-level. Presented at the *European Symposium Series on Societal Challenges in Computational Social Science, 2019: Polarization and Radicalization* (Zürich, Switzerland)
2019/05/02	Designing social influence experiments. Presented at *Sixth International Meeting on Experimental and Behavioral Social Sciences* (Utrecht, The Netherlands)
2018/08/13	Communication in online social networks fosters cultural isolation. Presented at *2018 Annual Meeting of the American Sociological Association* (Philadelphia PA, USA)
2018/06/26	Communication in online social networks fosters cultural isolation.. Presented at *XXXVIII Sunbelt Conference 2018* (Utrecht, The Netherlands)
2017/07/07	Isolation in online social networks. Presented at the *Interdisciplinary Workshop on Opinion Dynamics and Collective Decision* (Bremen, Germany)
2017/06/09	Cultural heterogeneity under one-to-many communication in online social networks. Presented at the *9th International Network for Analytical Sociology conference* (Oslo, Norway)
2016/06/04	In status we trust: A vignette experiment on socioeconomic status and reputation explaining interpersonal trust in peer-to-peer markets. Presented at the *8th International Network for Analytical Sociology conference* (Utrecht, the Netherlands)

5.7. Software

2019	Laukemper, Keijzer & Bakker. defSim: The discrete event framework for social influence models. [GitHub: github.com/defSim/defSim]

6. Awards, competitive grants and scholarships

2024	**TIRIS Fellowship** for the project 'Unpacking the Polarization Perception Paradox: Investigating the Role of Identity, Embeddedness and Belief Consolidation in Climate Change Mitigation' (UP^3) Awarded by the University of Toulouse / ANR / Région Occitanie [total: €174,779]
2023	**Nominee Wierenga-Rengerink RUG PhD Prize**, University of Groningen, as PhD thesis of the year at the Faculty of Behavioral and Social Sciences
2023	**Pioneer funding under 'grip on polarization' call** for the project 'Depolarizing the Digital Divide: Algorithmic Depolarization for a Sustainable Democratic Society' as a co-PI, with Bence Bago. Awarded by the SIDN Fund [total: €9,740]
2022	**Multidisciplinary grant** for the project 'Understanding the formation and success of groups through game theory and network science' as a co-PI with Péter Bayer, Marion Hoffman & Maria Kleshnina. Awarded by the Institute for Advanced Study in Toulouse [total: €16,750]
2017	**Travel fellowship** for Complexity science winter school. Awarded by the Complexity Institute at Nanyang Technological University (Singapore)
2017	**Scholarship** for Computational social science summer school (Sardinia, Italy). Granted by the Gesis Leibnitz-Institut für Sozialwissenschaften

7. Service to profession

7.1. Reviewing

I have reviewed manuscripts for Applied Network Science, Artificial Intelligence Review, Artificial Life, Data Science, European Sociological Review, Frontiers in Physics, Frontiers in Political Science, First Monday, Human Nature, Information, Communication and Society, International Review of Sociology (Revue Internationale de Sociologie), the Journal of Artificial Societies and Social Simulation, the Journal of Cleaner Production, the Journal of Computational Science, the Journal of Mathematical Sociology, the Journal of Simulation, Nature Human Behaviour, Network Science, Online Social Networks and Media, PLOS One, PLOS Sustainability and Transformation, Psychological Review, Quality & Quantity, Rationality & Society, and Scientific Reports.

7.2. Organization of scientific events

Workshop on Empirically-Calibrated Agent-Based Models for Mechanism-Based Research 2024
Toulouse School of Economics & Institute for Advanced Study in Toulouse, France

11th annual Toulouse Economics and Biology Workshop on Inequality in Networks 2024
Toulouse School of Economics & Institute for Advanced Study in Toulouse, France

Interdisciplinary Workshop on Identity and Politics 2024
Institute for Advanced Study in Toulouse, France

Interdisciplinary Workshop on Opinion Dynamics and Collective Decision 2023
Constructor University, Bremen, Germany

BIGSSS-CSS Summer School on Democratic Debate 2023
Constructor University, Bremen, Germany

7th Pyrenean Interdisciplinary Research Event (PIREN) 2022
Institute for Advanced Study in Toulouse, France

7.3. Expert committees

Expert Committee Strategic Multi-Annual Plan 2020
The Netherlands Institute for Social Research ('Sociaal en Cultureel Planbureau'), The Hague, The Netherlands

Committee Data Transparency 2018 − 2020
University of Groningen, The Netherlands

7.4. Program committees

I have been a member of the program committees for the Summer School Series on Methods for Computational Social Science (2018-2019), BIGSSS' Computational Social Science Summer School and Research Incubator (on Social Cohesion, 2022; and on Democratic Debate, 2023), and AAMAS '23.

7.5. Service to department

2017 − 2020 present **Team leader** of the research team on 'Leadership, Power and Inequality' at IAST.

2017 − 2020 **Coordinator** of the research team 'Norms and Networks Cluster' within the Department of Sociology at the University of Groningen.

8. More information and references

For a detailed CV and references, please email me at marijn.keijzer@iast.fr.