



Marijn A. Keijzer

- Analytical sociologist
- Research Fellow
- Institute for Advanced Study in Toulouse

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1 ■ Academic positions

Toulouse School of Economics

TIRIS Fellow at the Institute for Advanced Study in Toulouse

2024 – present

Research Fellow at the Institute for Advanced Study in Toulouse

2021 – 2024

Karlsruhe Institute of Technology

Postdoctoral researcher at the Chair of Sociology and Computational Social Science

2021

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. Instruction

‘Graph Analysis’ (M2)

2024 – present

Instructor (tutorials), at the Toulouse School of Economics

‘Sozialforschung: Wann und warum entsteht Meinungspolarisierung?’ (B2)

2021

Co-lecturer, at the Karlsruhe Institute of Technology

‘Opinion Dynamics on the Internet’ (ODIN) (B3)

2019 – 2021

Lecturer and coordinator, at the University of Groningen

‘De Gemeente en Haar Burgers’ (B1)

2017 – 2019

Instructor (tutorials), at the University of Groningen

3.2. Supervision

‘Co-design’ project (B3)	2022 – 2023
Project host, at the IAST & HU University for Applied Sciences Utrecht	
‘Collaborative Data Projects’ (B3)	2019 – 2021
Supervisor of four project teams over two years, at the University of Groningen	
Internships	2018 – 2020
Supervisor of three interns over three years, at the University of Groningen	
Bachelor theses (B3)	2017 – 2019
Supervisor of ten theses over two years, 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 ■ Visits, internships and experience

- **Visiting associate**, CSS group (w/ Duncan J. Watts), University of Pennsylvania **2020**
- **Research assistant**, Department of Sociology, Utrecht University **2011 – 2016**
- **Intern**, Netherlands Institute for Social Research (SCP) (w/ Lisette Kuyper) **2015**
- **Intern**, Trajectum Knowledge Center (w/ Klaus Drieschner) **2013 – 2014**

5 ■ Publications

5.1. Journal articles

- 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* [doi: [10.1098/rsos.231071](#)]
- 2024 **Keijzer**, Mäs & Flache. Polarization on Social Media: Micro-Level Evidence and Macro-Level Implications. *the Journal of Artificial 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](https://doi.org/10.1016/j.osnem.2020.100106)]
- 2018 **Keijzer**, Mäs & Flache. Communication in online social networks fosters cultural isolation. *Complexity* [doi: [10.1155/2018/9502872](https://doi.org/10.1155/2018/9502872)]

5.2. Book chapters

- Forthcoming **Keijzer**, Erhard, Kharazian & Lamba. The Anatomy of Rabbit Holes: Studying Information Segregation in YouTube's Recommendation Graph. In Keijzer, Bojanowski & Lorenz (Ed.). *Computational Social Science of Social Cohesion and Polarization*
- Forthcoming **Keijzer**, Bojanowski & Lorenz. Computational Social Science of Social Cohesion and Polarization. In Keijzer, Bojanowski & Lorenz (Ed.). *Computational Social Science of Social Cohesion and Polarization*
- 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 Gërzhani, De Graaf & Raub (Ed.). *Handbook of Rigorous Theoretical and Empirical Sociology* [doi: [10.4337/9781789909432.00011](https://doi.org/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. Software

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

5.5. 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](#)]

6 ■ Presentations

6.1. Invited talks

- 2025/6/11 Inside the Echo Chamber. Model discrimination using macro-experiments. Presented at the *LABSS Seminar* organized by the **Italian National Research Council** (Rome, Italy)
- 2025/4/4 The long term consequences of social influence. Presented at the *SOD seminar* organized by the **University of Southern Denmark** (Odense, Denmark)
- 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)

6.2. Conference presentations

- Coordination under affective polarization. Presented at 16th [International Network for Analytical Sociology](#) conference (Leipzig, Germany) 2024/05/31
- The strength of weak bots. Presented at ESSA [Social Simulation Conference](#) (Milan, Italy) 2022/09/15
- Micro-foundations of polarization in online social media. Presented at [Annual Conference for Experimental Sociology](#) (Ascona, Switzerland) 2021/09/17
- 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) 2021/03/16
- 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) 2019/09/01
- Designing social influence experiments. Presented at Sixth [International Meeting on Experimental and Behavioral Social Sciences](#) (Utrecht, The Netherlands) 2019/05/02
- Communication in online social networks fosters cultural isolation. Presented at 2018 Annual Meeting of the [American Sociological Association](#) (Philadelphia PA, USA) 2018/08/13
- Communication in online social networks fosters cultural isolation.. Presented at XXXVIII [Sunbelt Conference](#) 2018 (Utrecht, The Netherlands) 2018/06/26
- Isolation in online social networks. Presented at the Interdisciplinary Workshop on [Opinion Dynamics and Collective Decision](#) (Bremen, Germany) 2017/07/07
- Cultural heterogeneity under one-to-many communication in online social networks. Presented at the 9th [International Network for Analytical Sociology](#) conference (Oslo, Norway) 2017/06/09
- 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) 2016/06/04

7 ■ Awards, competitive grants and scholarships

- 2025 **DDSA Visit Grant** for a visit to the Danish Institute of Advanced Study, Awarded by the Danish Data Science Academy [total: 2,000 EUR]
- 2024 **TIRIS Fellowship** for the project '[Unpacking the Polarization Perception Paradox: Investigating the Role of Identity, Embeddedness and Belief Consolidation in Climate Change Mitigation](#)' (UP³) Awarded by the University of Toulouse / ANR / Région Occitanie [total: €174,779]
- 2023 **Nominee Wierenga-Rengerink RUG PhD Prize**, University of Groningen, nominated 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 Kleshina. 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). Awarded by the Gesis Leibnitz-Institut für Sozialwissenschaften

8 ■ Service to profession

8.1. 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, Heliyon, Human Nature, Humanities and Social Sciences Communications, 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, Scientific Reports, and Social Networks.

8.2. Organization of scientific events

Social Influence and its Macro-Level Consequences	upcoming 2026
13th annual Toulouse Economics and Biology Workshop at the Toulouse School of Economics & Institute for Advanced Study in Toulouse, France	
Empirically-Calibrated Agent-Based Models for Mechanism-Based Research	2024
Workshop organized at Toulouse School of Economics & Institute for Advanced Study in Toulouse, France	
Inequality in Networks	2024
11th annual Toulouse Economics and Biology Workshop at the Toulouse School of Economics & Institute for Advanced Study in Toulouse, France	
Identity and Politics	2024
Interdisciplinary Workshop organized at the Institute for Advanced Study in Toulouse, France	
Opinion Dynamics and Collective Decision (ODCD)	2023
Interdisciplinary Workshop organized at Constructor University, Bremen, Germany	
Summer School on Democratic Debate	2023
BIGSSS-CSS series event, organized at Constructor University, Bremen, Germany	
7th Pyrenean Interdisciplinary Research Event (PIREN)	2022
Institute for Advanced Study in Toulouse, France	

8.3. Committee experience

- **Expert Committee Multi-Year Strategic Plan**, The Netherlands Institute for Social Research ('Sociaal en Cultureel Planbureau') **2020**
- **Committee Data Transparency**, Faculty of Behavioural Social Sciences, U Groningen **2018 – 2020**
- 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.

8.4. Service to department

2023 – 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.

9 ■ More information and references

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