Marijn A. Keijzer

Research Fellow
Institute for Advanced Study in Toulouse

Email: marijn.keijzer@iast.fr
Personal website: marijnkeijzer.github.io
ORCID: 0000-0002-7585-062X
LinkedIn | Google Scholar

1. Academic positions

Research fellow   2021 − present
Institute for Advanced Study in Toulouse
University of Toulouse 1 Capitole, France

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

Co-lecturer 'Sozialforschung: Wann und warum entsteht Meinungspolarisierung?'   2021
Karlsruhe Institute of Technology

Lecturer and coordinator 'Opinion Dynamics on the Internet' (ODIN)   2019 − 2021
University of Groningen

Teaching Assistant 'De Gemeente en Haar Burgers'   2017 − 2019
University of Groningen

3.1. Supervision

'Co-design' project   2022 − 2023
IAST & HU University for Applied Sciences Utrecht

Supervisor 'Collaborative Data Projects'   2019 − 2021
University of Groningen

Supervision of various internships 2018 − 2020
University of Groningen

Supervisor bachelor theses 2017 − 2019
University of Groningen

3.2. 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

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. 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]

5.4. Invited talks

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)

5.5. Conference presentations

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)

5.6. Software

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

6.   Media coverage

2023/07/28   de Volkskrant. Voeden algoritmen in sociale media polarisatie in de samenleving? 'Ze zijn krachtig. Maar mensen ook' (*Do algorithms in social media fuel societal polarization? "They are powerful. But people are too"*) [link]

2023/07/15   de Volkskrant. Oneens online: Neemt polarisatie in Nederland toe door de komst van sociale media? 'Misschien is de echte filterbubbel wel in real life' (*Disagreement online: Does polarization increase in the Netherlands because of social media? 'Maybe the actual filter bubble is in real life'*) [link]

2023/02/20   IAST Magazine. Is social media tearing us apart? [link]

2023   SIRE. Insights from my work have inspired a national campaign warning for the effects of polarization in the Netherlands under the slogan 'Verlies elkaar niet: Als polarisatie dichtbij komt' (*Do not lose each other: When polarization comes closer*) [link]

2022/11/04   Argos Medialogica. 'Neemt polarisatie toe door filterbubbels op sociale media?' (*Does polarization increase because of filter bubbles on social media?*) [link]

2022/02/04   NEMO Kennislink. 'Zorgen sociale media voor meer polarisatie?' (*Do social media cause more polarization?*)[link]

2022/01/19   Radio 1. Interview about my dissertation in Radio 1 Journaal [link]

2021/09/14   PNAS News Feature. 'Modeling the power of polarization'[doi: 10.1073/pnas.2114484118]

2020/09/26   Radio 2. 'Zorgt social media voor meer polarisatie?'(*Do social media cause more polarization?*) [link]

2019/07/05   SciencePOD. 'The (anti)social network – How online communication may increase cultural isolation' [link]

2019/03/28   NOS. 'Strengere regels Facebook tegen extreem-rechts toegejuicht, maar ook twijfel' (*Facebook's stricter rules against the far right welcomed, but there are also doubts*) [link]

2019/02/16   Reformatorisch Dagblad. 'Besef dat YouTube je naar het extreme kan leiden' (*Realize that YouTube can lead you to the extreme*) [link]

2018   Matjeu Witte. 'Digitale Kruimels' (*digital breadcrumbs*), short film [link]

2016/12/23   NOS. 'Zo bepalen algoritmes jouw wereldbeeld' (*This is how algorithms determine your world view*) [link]

7.   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   **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

8. Service to profession

8.1. Reviewing

I have reviewed manuscripts for Applied Network Science, Artificial Intelligence Review, Artificial Life, the Conference on Autonomous Agents and Multiagent Systems, Data Science, European Sociological Review, Frontiers in Physics, Frontiers in Political Science, First Monday, the Journal of Artificial Societies and Social Simulation, the Journal of Cleaner Production, the Journal of Simulation, Nature Human Behaviour, Online Social Networks and Media, PLOS One, PLOS Sustainability and Transformation, Quality & Quantity, Rationality & Society, and Scientific Reports.

8.2. Organization of scientific events

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 in Collective Decision Making 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

8.3. 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

8.4. 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.

8.5. Workshops and 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]

8.6. Service to department

2023 – now   **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.

November 16, 2023