Notes on Contributors

Doris Allhutter is a senior scientist at the Institute of Technology Assessment, Austrian Academy of Sciences, where she leads the Austrian team of an international comparative study on 'Automating Welfare'. Her research focuses on the automation and datafication of Europe's systems for social protection, and on the implicit normativity of computing practices in machine learning under the lens of how these practices are entrenched in power relations. She is a Member of the Advisory Board on the Ethics of Artificial Intelligence of the Austrian UNESCO Commission.

Gaia Amadori is a PhD candidate in the Department of Communication, Università Cattolica del Sacro Cuore. Based on the DataChildFutures project, her dissertation studies the impact of data relations on the household's power structure through a mixed-methods research design. Her research interests concern media sociology, game studies, digital methods, and social network analysis.

Katrin Amelang is a postdoctoral researcher at the RUSTlab Bochum, Germany. She works at the intersection of cultural anthropology and (feminist) science and technology studies (STS), especially in the fields of (bio-)medicine and human-technology relations. Her current research explores the quantification/datafication of health and the body as well as everyday encounters with data, algorithms, and software.

Jo Bates is Professor of Data and Society at the University of Sheffield. Her research examines the social and cultural dynamics shaping data flows and practices, in sectors such as pharmaceuticals, higher education, climate science, and the arts. She works collaboratively with other researchers in critical data studies and related fields, as well as computer and information scientists who are engaged in the algorithmic processing of data.

Yaya Baumann is a PhD student in the Université de Montréal's Geography Department and an activist studying the potential of (digital) data and information technologies to foster community relations, to promote housing rights, and to support direct actions. Outside academia, Yaya likes to spend

time in protests and programming. They also have a cat named Achille that they deeply love.

Caitlin Bentley is a lecturer in AI Education at King's College London. She is a co-director of the Safe and Trusted AI Centre for Doctoral Training and a member of the Responsible AI UK Delivery Team.

Hadley Beresford, University of Sheffield, is a postdoctoral researcher whose work is situated between information studies and sociological studies, and has been investigating how civil service departments can mitigate algorithmic bias in their services. Their doctoral research involved interviewing data scientists from the Department of Work and Pensions (DWP) in the UK, as well as practitioners on the Aurora AI project by the Finnish Ministry of Finance. At the time of writing, they are working as a postdoctoral research associate on the Patterns in Practice project.

Benedetta Brevini is a visiting professor at the Institute for Public Knowledge, New York University and Associate Professor of Political Economy of Communication at the University of Sydney. Before joining the academy, she worked as a journalist in Milan, New York, and London for CNBC, RAI, and the Guardian. She is the author of several books including Is AI good for the Planet (2022), Amazon: Understanding a Global Communication Giant (2020) and Public Service Broadcasting Online (2013), and is the editor of Beyond Wikileaks (2013), Carbon Capitalism and Communication: Confronting Climate Crisis (2017), and Climate Change and the Media (2018). She is currently working on a new volume for Polity entitled Communication Systems, Technology and the Climate Emergency.

Patrick Brodie is an assistant professor and Ad Astra Fellow in the School of Information and Communication Studies at University College Dublin. His research focuses on the environmental politics of digital media infrastructures, with a particular focus on dynamics of energy, extractivism, and rurality.

Teresa Cerratto-Pargman, PhD, is a Professor in Human–Computer Interaction at the Department of Computer and Systems Sciences at Stockholm University, Sweden. She conducts conceptual and empirical studies on emerging technologies and practices in the public sector, drawing from perspectives on the philosophy of technology and STS. Teresa is a research associate at the Weizenbaum Institute in Berlin, Germany. She is also a member of the Executive Committee and Associate Director for Societal Outreach at Digital Futures in Sweden.

Roderic Crooks is an assistant professor in the Department of Informatics at UC Irvine. His research examines how the use of digital technology

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Nicole Dalmer is an Assistant Professor in the Department of Health, Aging and Society at McMaster University. She is also the Associate Director of the Gilbrea Centre for Studies in Aging. Nicole's current work examines the impact of social and digital infrastructures on feelings of connectedness in later life while reflecting on questions of social status and social inequality that surround and shape ageing and technology debates. She is a member of the Aging in Data Partnership Grant, funded by the Social Sciences and Humanities Research Council of Canada.

Aviva de Groot is a postdoctoral legal researcher on AI and Human Rights at the Tilburg Institute for Law, Technology, and Society of Tilburg University. She is interested in what constitutes fair and responsible knowledge practices and what that means for our approach to knowledge-generating processes and technologies (including law) and for the governance of decision practices. De Groot is involved in cross-disciplinary collaborative projects in the domains of health, administration, and AI assessment models. She came to academia with backgrounds in cabinet making, film making, legal aid and information law and is associated researcher with the African Centre for Epistemology and Philosophy of Science (ACEPS).

Catherine D'Ignazio is an Associate Professor of Urban Science and Planning in the Department of Urban Studies and Planning at MIT. She is also Director of the Data + Feminism Lab which uses data and computational methods to work towards gender and racial justice, particularly in relation to space and place.

Miriam Fahimi is a social scientist and PhD candidate in Science and Technology Studies at the Digital Age Research Center (D¹ARC) at the University of Klagenfurt. Her research interests include feminist and relational approaches to technology, labour and infrastructures. She was a Marie Skłodowska-Curie Fellow in the NoBIAS – Artificial Intelligence without Bias project. Presently, Miriam is a research fellow at the Center for Advanced Internet Studies in Bochum, Germany.

Petter Falk's research is mainly focused on critical data studies and datafication of welfare services. They are currently writing a dissertation on datafication of welfare services. As a researcher, they are part of the Center for Service Research at Karlstad University and affiliated with WASP-HS (The Wallenberg AI, Autonomous Systems and Software Program – Humanities and Society). They have previously led a number of national and international

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George Fletcher is professor and chair of the Database Group at Eindhoven University of Technology. He studies data systems, increasingly with a focus on people and lessening cruelty in applications of data and AI. George coorganized DataEd at SIGMOD 2023 and co-founded Social X (https://social-x.github.io/), an interdisciplinary group based in the Netherlands studying fundamental questions around technology in society.

Monika Fratczak is currently working as a teaching associate in the Department of Sociological Studies at the University of Sheffield. She completed her PhD research in 2022, focusing on emotional responses and the potential for democratic participation through data visualization about climate change in two different national contexts.

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Olga Gkotsopoulou is a PhD researcher at the Law, Science, Technology and Society Research Group at Vrije Universiteit Brussel. Her research focuses on topics of personal data protection law, transparency, and accessibility.

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Marie K. Heath is Assistant Professor of Educational Technology at Loyola University Maryland. Her research broadly asks how we might work towards more just educational futures. She investigates the intersection of education, civic engagement, and technology to foster social change. Marie is cofounder of the Civics of Technology project (www.civicsoftechnology.org/).

Arne Hintz a Reader at the Cardiff School of Journalism, Media and Culture (JOMEC), and Co-Director of the Data Justice Lab. His research focuses on the practices and conditions of digital citizenship, combining work on media activism, communications policy, and datafication. Recent co-authored books include *Digital Citizenship in a Datafied Society* (Polity, 2019) and *Data Justice* (Sage, 2022).

Rolien Hoyng is a senior lecturer in the Department of Sociology at Lancaster University, UK. Her research addresses the social and political implications of digital infrastructures and data-centric technologies in particular contexts of practice, including smart cities, waste, and ecology. Currently, she is working on the role of uncertainty in technological mediations of the climate crisis. Her fieldwork sites encompass Turkey, Hong Kong, and Western Europe. She recently co-edited a book (with Gladys Pak Lei Chong) entitled *Communication Innovation and Digital Technology: A critique of the new in a multipolar world* (Michigan State University Press).

Mergime Ibrahimi is a PhD researcher in the Ragnar Nurkse Department of Innovation and Governance at Tallinn University of Technology (TalTech), and a researcher at the FinEst Center for Smart Cities. She is a critical data scientist who studies how data are transformed in algorithmic decision-making, particularly in the context of smart mobility. Mergime's current work

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Fieke Jansen is a postdoctoral researcher at the University of Amsterdam and a co-principal investigator of the Critical Infrastructure Lab. Fieke's research interest is to understand how states and Big Tech are framing the relationship between environmental harm and expanding computational infrastructures.

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Leonora Indira King is a community-based researcher and community worker in the Parc-Extension neighbourhood of Montreal. She is also the founder and coordinator of the Parc-Ex Curry Collective, a mutual aid initiative that provides catering and food distribution services in Montreal.

Leonora obtained her graduate degrees from McGill University's Department of Psychiatry, where she studied maternal health, resilience in children, and arts-based interventions for asylum seekers. Essentially, Leonora is passionate about migrant justice, bringing people together, and strengthening marginalized communities.

Rob Kitchin is a professor at the Maynooth University Social Sciences Institute and Department of Geography at Maynooth University, Ireland. He is the author or editor of 35 books, including *Data Lives* (2021), *The Data Revolution* (2022, 2nd edn), and *Researching Digital Life* (2024).

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Itzelle Medina Perea a Lecturer in Information Systems at the Information School, The University of Sheffield. She is interested in exploring the factors that shape data flows, data practices, and the uses of data and information systems. Itzelle has experience beyond academia, having worked for the World Wide Web Foundation (A4AI Good Practices Database – Alliance for Affordable Internet), and for the National Council of Science and Technology (CONAHCYT Mexico).

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Denis Newman-Griffis (they/them) is a Lecturer in Data Science in the University of Sheffield Information School. Their work investigates the practices at the heart of responsible use of AI and machine learning, with particular focus on healthcare, disability, and the scientific research process. Denis' research ranges from development of natural language processing technologies for health data to critical analysis of AI design from a disability lens. They are a Visiting Fellow of the National Institutes of Health Clinical Center, Research Fellow of the Research on Research Institute, and lead multiple responsible AI projects funded by the Research on Research Institute and the UK's Arts and Humanities Research Council.

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Susan Oman, University of Sheffield, researches how data and evidence work from the perspectives of different stakeholders and 'follow the data' around, in order to understand data contexts 'in the round'. They often work in and with public-sector organizations, writing recommendations on particular policy problems. At the time of writing, they are a research-policy fellow based in the UK Government's Department for Digital, Culture, Media and Sport and they are also a Lecturer in Data, AI and Society at the University of Sheffield, where they lead a module called Data Science Foundations and Contexts.

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Lindsay Poirier is a cultural anthropologist of data advocacy, governance, and infrastructure. Interlacing methods in cultural analysis and exploratory data analysis, Poirier critically examines how meaning gets made from data – by whom, for whom, under what conditions and towards what ends. She is an Assistant Professor of Statistical and Data Sciences at Smith College.

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Joanna Redden investigates the social justice implications of the datafication of governance. This work involves a combined approach that includes researching where and how government bodies are using algorithmic and automated decision-making systems, particularly in the area of social services, as well as investigating the impacts of changing systems on ways of knowing, decision-making, service delivery, service users, and people targeted by these systems.

Elise Renkema holds a Master of Science in Research in Public Administration and Organizational Science (2023, Utrecht University) and specializes in algorithmic accountability in local governance. She worked at the Data School (Utrecht University, the Netherlands) and was part of

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Neil Selwyn is a professor at the Faculty of Education at Monash University. Recent books include: *Should Robots Replace Teachers? AI and the future of education* (Polity, 2019), *Critical Data Literacies* (MIT Press, 2023, with Luci Pangrazio), and the third edition of *Education and Technology: key issues and debates* (Bloomsbury, 2021).

Alexander Serebrenik is Professor of Social Software Engineering at the Eindhoven University of Technology, the Netherlands. His research goal is to facilitate the evolution of software by taking into account social aspects of software development. His work tends to involve theories and methods both from within computer science (for example, theory of socio-technical coordination; methods from natural language processing, machine learning) and from outside of computer science (for example, organizational psychology). The underlying idea of his work is that of empiricism, that is, that addressing software engineering challenges should be grounded in observation and experimentation, and requires a combination of the social and the technical perspectives. Alexander has co-authored the book Evolving Software Systems (Springer Verlag, 2014), the upcoming volume Equity, Diversity and Inclusion (APress, 2024) and more than 240 scientific papers and articles. He is actively involved in the organization of scientific conferences and is a member of the editorial board of several journals. He has won multiple best paper and distinguished reviewer awards.

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Marlee Tichenor, University of Edinburgh, is trained as a medical anthropologist, and as she has expanded into the field of critical data studies, she has analysed how social data are produced, processed, and used by various actors who work with the stated goal of social justice and equity. These data have included malaria rapid diagnostic test results and the monitoring of the delivery of long-lasting insecticidal nets (LLINs) in Senegal, as well as the proportion of household income spent on healthcare. She is engaged in providing critical pedagogies for data practitioners, including recently developing and teaching Critical Perspectives in Data Science to prospective data scientists at Durham University.

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Tamara Vukov has been teaching at the Université de Montréal since 2013. She holds a PhD from Concordia University, and from 2011 to 2013 worked as a postdoctoral researcher at the Center for Mobilities Research and Policy in the Department of Culture and Communication at Drexel University (Philadelphia, USA) on an SSHRC fellowship.

Quinn White is interested in the ethical implications of how we use data in medical research. Her interest was sparked while studying under Lindsay Poirier as part of the Statistical and Data Sciences department of Smith College, and she carries this motivation forward as a PhD student at the University of Washington.

Lorenzo Giuseppe Zaffaroni is a postdoctoral researcher in the Department of Communication, Università Cattolica del Sacro Cuore. His work focuses on fields of cultural production, digital media, and datafication. He is currently part of the DataChildFutures research project, where he focuses on the interplay between socio-material practices and datafied environments with a mixed-method approach.

Irina Zakharova is a postdoctoral researcher at the Leibniz University Hannover. Research presented in this book was conducted when she was affiliated with the University of Bremen. She studies datafication of welfare and public schooling with particular focus on data, care, work, and infrastructures required for organizing these domains from an interdisciplinary perspective of STS, digital media studies, and sociology.