

EDUCATION AND POSITIONS

Assistant Professor Political Communication and Journalism	since 2024
Amsterdam School of Communication Research (ASCoR) at University of Amsterdam (UvA)	
Faculty Research Affiliate	since 2024
Center for Social Media and Politics (CSMaP) at New York University (NYU)	
Postdoctoral Fellow , Center for Social Media and Politics (CSMaP) at New York University (NYU)	2022 — 2024
PhD Computational Communication Science , Vrije Universiteit Amsterdam (VU), cum laude	2018 — 2023
Supervised by Wouter van Atteveldt, Damian Trilling, Judith Möller	
Dissertation: “Diversity of News Consumption in a Digital Information Environment”	
Cum Laude is the highest distinction possible, top 5%	
Research Master Communication Science, MSc , University of Amsterdam (UvA), cum laude	2016 — 2018
Thesis: “3bij3 – Developing a framework for researching recommender systems and their effects”	
Bachelor Communication Science and Philosophy, BA , University of Erfurt	2013 — 2016
Thesis: “Opinion Leadership on Social Network Sites within the framework of the refugee issue”	

ACADEMIC AND WORK EXPERIENCE

Fellow Weizenbaum Institute, Research Group “Digital News Dynamics” Berlin	2024
Participant Workshop Women in Politics , New Orleans	2023
Participant International Summer School of Political Communication , Milan	2022
Participant Summer Institute Computational Social Science (SICSS) , Princeton (online)	2021
Participant Young Scholars in CSS , Zürich (online)	2020
• Presentation: Combining digital traces and survey data to study media effects: A mobile lab approach	
Participant NapoKo colloquium political communication , Vienna	2019
• Presentation: Tracking the filter bubble – Analyzing the diversity of news consumption and its consequences	
Participant Masterclass with Jose van Dijck , Royal Netherlands Institute Rome	2019
• Topic: “Social Media and Political Governance: Rome, Italy, Europe”	
Participant Workshop “ICT with industry” , Leiden	2019
• “Opening the black box of user profiles in content-based recommender systems” with FD Mediagroep (publication)	
Pre-Master Program Data Science , University of Amsterdam, GPA 9.5	2018
Research internship , with Dr. Damian Trilling, Amsterdam School of Communication Research (ASCoR)	2017, 2018
• Development and maintenance of INCA (bundle of scraping and analysis functionalities for social scientists, GitHub)	
Graduate Research Assistant , with Dr. Magdalena Wojcieszak, ASCoR	2017
• Assisting with study design, data gathering and analysis on several projects (e.g. article and article)	
Graduate Research Assistant , with Dr. Andreas Schuck, ASCoR	2016, 2017
• Project: Media coverage and effects of the UN Climate Change Conference 2015	
Student assistant German-American exchange-program SPICE , University of Erfurt	2015, 2016

TEACHING AND SUPERVISION

Supervisor PhD project Youri Coudron , UvA	2025-2028
• Project: Financial Challenges Facing Journalism	
• Co-Supervision with Mark Boukes and Anke Wonneberger	

Supervisor PhD project Liv van Roozendaal, UvA	2025-2029
<ul style="list-style-type: none"> Project: Generative AI in our daily lives: Unraveling the Trust-and-Use Calibration Dynamics Co-Supervision with Theo Araujo, Anne Kroon and Floor Fiers 	
Supervisor PhD project Brian Douwenga, UvA	2025-2029
<ul style="list-style-type: none"> Project: Democracy by Design: How App Characteristics Shape Youth Political Worldviews Co-Supervision with Tom Dobber, Linda Bos and Bert Bakker 	
Developer, coordinator and teacher of the course "Big Data II"	
<ul style="list-style-type: none"> 6 ECTS Research Master Class, UvA Newly developed with a focus on sustainability and ethics of (generative) AI methods in the social sciences 	
Developer, coordinator and teacher of the course "Applied Digital Citizen Science"	2025
<ul style="list-style-type: none"> 6 ECTS elective class Master Communication Science Newly conceptualized and developed together with Theo Araujo 	
Coordinator and teacher of the course "Data Journalism"	2024, 2025
<ul style="list-style-type: none"> 6 ECTS class Erasmus Mundus Master's in Journalism Media & Globalization, UvA 	
Coordinator and teacher of the course "Big Data and Automated Content Analysis"	2024
<ul style="list-style-type: none"> 12 ECTS Research Master Class, UvA Originally developed by Damian Trilling and Anne Kroon (teaching material) 	
Teacher of the course "Using R for data wrangling, analysis, and visualization"	2024
<ul style="list-style-type: none"> 6 ECTS Research Master Class, UvA 	
Teacher of the course "Digital Society Research Project"	2024-2026
<ul style="list-style-type: none"> Minor Communication in the Digital Society, UvA 	
Supervision of 15 Master theses in Communication Science, UvA	2024-2026
Teacher of the course "Images as Data"	2023
<ul style="list-style-type: none"> Part of the Summer School for Women in Political Methodology, Basel 	
Teacher of the course "Automated Image and Video Analysis"	2022 - 2024
<ul style="list-style-type: none"> Part of the Gesis Fall Seminar. Taught together with Dr. Andreu Casas. 	
University Teaching Qualification (UTP)	2021
<ul style="list-style-type: none"> Obtained 150 hour teaching qualification for academic teaching in the Netherlands (more information) 	
Supervision of 5 Bachelor theses in Communication Science, VU	2020
Coordinator and teacher of the course "Automated Content Analysis using Python", VU Winter School	2020, 2021
<ul style="list-style-type: none"> Based on material by Dr. Damian Trilling: GitHub 	
Teacher Bachelor course "Visualization in R", VU, minor digital humanities	2019, 2020
<ul style="list-style-type: none"> Based on material by Dr. Mariken van der Velden: Assignments and Schedule 	
Organizer graduate class "Introduction to R", VU, graduate school	2019
<ul style="list-style-type: none"> Based on material by Dr. Wouter van Atteveldt: GitHub 	

SKILLS

Languages	German (native), English (fluent), Dutch (fluent)
Statistical Software	R, STATA, SPSS, Amos
Programming	Python and React (data retrieval, text analysis and NLP, building web applications)
Databases	SQL, Postgres, ElasticSearch
Markup languages	LaTeX, HTML, CSS
System administration	Linux, cloud computing, virtual machines

AWARDS & FUNDING

Winner of the KHMW Keetje Hodshon Proefschriftprijs voor de Geesteswetenschappen	2025
<ul style="list-style-type: none"> Competitive National Dissertation Prize for Dissertations defended in the Humanities in the Netherlands (10,000€) 	

TDCC NWO Grant: RIGHTS	2025
<ul style="list-style-type: none"> • RIGHTS: Responsible Implementation of Gathering, Handling, and Treating Sensitive Individual Digital Traces • Co-Applicant and Project Coordinator of interdisciplinary team of Legal Scholars, Ethicists and Data Engineers from several Dutch universities • Secured grant funding to address challenges in sharing and publishing sensitive digital trace data, ensuring its FAIR principles adherence within a national research infrastructure and facilitating secure data donation. (200,000€) 	
Teaching Buyout: Conceptualization and Technical Implementation Data Analysis Project AWESoMe	2024-2026
<ul style="list-style-type: none"> • Financed by Spinoza Grant (Patti Valkenburg) • Added to the project team to lead the analysis of TikTok data (23 million videos) of adolescents obtained via data donation • Contributing own project (+ additional survey data) on effects of traditional value content ((Wo)Manosphere) on political values of adolescents 	
Teaching Buyout: Computational Analysis of content within Horizon Project RESPOND	2024-2026
<ul style="list-style-type: none"> • Financed by EU Horizon: Rescuing Democracy from Political Corruption in Digital Societies • Added to the project team to conceptualize and conduct computational analysis of discourse about corruption in large-scale (social) media corpus across nine different countries 	
Teaching Grant: Responsible AI, awarded by the Teaching Learning Center University of Amsterdam	2024
<ul style="list-style-type: none"> • Innovating teaching programming to social scientists in times of AI, emphasizing responsible and ethical use of Large Language Models (2,500€) 	
Award Digital Communication Methods Lab University of Amsterdam	2024
<ul style="list-style-type: none"> • Innovative research project focused on WhatsApp data donations for political news usage (PI, together with Laura Boeschoten, University Utrecht) (7,000€) 	
Winner of Faculty Dissertation Prize	2024
<ul style="list-style-type: none"> • Winner of the Faculty of Social Science Dissertation Award at the Vrije Universiteit Amsterdam (1000€) 	
Member of Lowlands Science	2022
<ul style="list-style-type: none"> • Science Outreach program, collecting digital trace data with the “DataDonationLab” during the Lowlands festival 	
Media Diversity and Transparency in Smart Speakers	2020
<ul style="list-style-type: none"> • Report commissioned by the Landesanstalt für Medien, NRW. Cooperation with TU Dresden (50,000€, member of the research team) 	
Winner Hackathon “Future Recommenders for public service media”	2020
<ul style="list-style-type: none"> • Dutch public broadcaster (NPO) hackathon about designing a diversity-aware recommender system (3000€) 	
Best Poster Award Political Communication Division ICA	2020
<ul style="list-style-type: none"> • Poster “Perceived Control and Satisfaction in News Recommender Systems” with Judith Moeller, Damian Trilling, Wouter van Atteveldt and Natali Helberger 	
Award Digital Communication Methods Lab University of Amsterdam	2020
<ul style="list-style-type: none"> • Innovative research project focused on mapping the mobile news diet in a mobile lab, together with Judith Moeller, Damian Trilling, and Wouter van Atteveldt (5,000€) 	
Award Digital Communication Methods Lab University of Amsterdam	2019
<ul style="list-style-type: none"> • Innovative research project focused on methodological development, together with Judith Moeller, Damian Trilling, and Wouter van Atteveldt (4,000€) 	
Award best academic presentation Graduate School of Social Sciences, VU	2019
EXTERNAL ACTIVITIES & SERVICE TO PROFESSION	
Co-Organizer 1st Symposium on Diversity of News Diets and its Effect on Democratic Citizenship, Amsterdam	2025
<ul style="list-style-type: none"> • Symposium with participants from Legislative bodies of different European countries, media professionals, and academics to tackle the challenges of news diversity • Co-organized with Silvia Majo-Vasquez, Mariken van der Velden and Nicolas Mattis 	

Instructor Training School COST OPINION in Elbasan on Multimodal Opinion analysis 2025
Secretary Computational Methods ICA Division 2025-2027
Board Member Digital Communication Methods Lab University of Amsterdam since 2024
Organizer Hackathon OPINION COST Action on “Contentious opinions on digital media” 2024

- Leading organization of hackathon for the European COST action network OPINION in Ljubljana on contentious opinion on digital media

Editor Special Issue “Participant-centered behavioral traces” at Computational Communication Research 2024

- Together with Lukas Otto and Ericka Menchen-Trevino, I have guest-edited a special issue around participant-centered behavioral traces

Member Editorial Board Computational Communication Research since 2022

- After finishing my term as editorial assistant, I was offered a spot on the editorial board of this open source journal for facilitating computational communication research.

Organizer ICA pre-conference hackathon ‘Opening up Communication Science’ 2022, 2023

- Member of core organization team for a hackathon pre-conference for ICA 2022 in Paris and ICA 2023 in Toronto as a two day hands-on workshop to encourage open, non-competitive collaboration across communication subfields utilizing computational and “big data” methods ([website](#)), last edition with almost 100 attendees

Student and early career representative Computational Methods ICA Division 2021-2023

- Responsible for facilitating networking between early career scholars in computational communication science within the largest international organization in the field. This involves organizing events and building a platform where young scholars can connect and present their work.

Editorial Assistant Journal Computational Communication Research 2018-2022

- Open Source Journal for computational methods in the field of communication science ([website](#))

Reviewer for:

- *Journals:* New Media & Society, Digital Journalism, Computational Methods and Measures, Public Opinion Quarterly, Mass Communication and Society, Journalism Studies, International Journal of Communication, Journal of Elections, Public Opinion & Parties, Harvard Misinformation Review, Media and Communication, Behavior & Information Technology, Journal of Mixed Methods Research, Asian Journal of Communication, Communication and the Public, Computational Communication Research
- *Conferences and grant funding:* ICA, ECREA, Etmaal, NIAA grants VU Amsterdam, Austrian Science Fund

Invited talks:

- 2025: Invited Speaker Data Donation Workshop Ludwig Maximilian Universität München
- 2025: Workshop on Automated Image Analysis, Freie Universität Berlin
- 2024: Workshops for Ukraine: The How and Why of Data Donations
- 2024: Vienna Department of Communication Workshop on Images as Data
- 2024: NYU Psychology Department
- 2024: Dublin Connected_Politics Lab
- 2024: Vienna Department of Communication Research Talk Series
- 2023: Weizenbaum Symposium on Critical Stances towards AI, New York City
- 2023: UNESCO Roundtable on World Press Freedom Day, New York, UN Mission of Denmark
- 2023: Warwick Economics Summit
- 2022: GESIS CSS Seminar on Data Donations
- 2022: Workshop Social Media Research The Hague
- 2022: DGPuK workshop on sustainable social media research
- 2021: Twitter Development (using APIv2)
- 2020: DIGSSCORE Lab Bergen, University of Stavanger, Diversity Lab University of Bremen, Marie Curie Alumni Event
- 2019: University of Koblenz-Landau

Interviews:

- Keetje Hodshon Proefschriftprijs (2025): [Nieuwsdiversiteit is cruciaal voor onze democratie](#) [*News diversity is essential for our democracy*]
- Radio Swammerdam (2020): [Filterbubbles en digital recht](#) [*Filter bubbles and digital law*]
- New Scientist (2021): [Wat weet Facebook over jou](#) [*What does Facebook know about you*]
- Deutschlandfunk (2022): [Alexa, spiel „Nachrichten“: Wie Sprachassistentinnen Informationen auswählen](#) [*Alexa, play the news: How smart assistants select information*]
- Podcast CCSpod (2022): [Why do you write your own software?](#)

Other:

- Blogpost: ComCom blog (2020): What it's really like to do a hackathon [link](#)
- Member of the [100 Questions Initiative Disinformation Cohort](#) by the GovLab

PEER-REVIEWED PUBLICATIONS

- Loeberbach, F., & Otto, L.** (2024). Introduction to the special issue on participant-centered behavioral traces. *Computational Communication Research*, 6(2), 1.
- Loeberbach, F., Moeller, J., Trilling, D., & van Atteveldt, W.** (2020). The unified framework of media diversity: A systematic literature review. *Digital Journalism*, 8(5), 605–642.
- Loeberbach, F., & Trilling, D.** (2020). 3bij3–developing a framework for researching recommender systems and their effects. *Computational Communication Research*, 2(1), 53–79.
- Sullivan, E., Bountouridis, D., Harambam, J., Najafian, S., **Loeberbach, F.**, Makhortykh, M., Kelen, D., Wilkinson, D., Graus, D., & Tintarev, N. (2019). Reading news with a purpose: Explaining user profiles for self-actualization. *Adjunct Publication of the 27th Conference on User Modeling, Adaptation and Personalization*, 241–245.
- Trilling, D., Van De Velde, B., Kroon, A. C., **Loeberbach, F.**, Araujo, T., Strycharz, J., Raats, T., De Klerk, L., & Jonkman, J. G. (2018). INCA: Infrastructure for content analysis. *2018 IEEE 14th International Conference on e-Science (e-Science)*, 329–330.
- Loeberbach, F., Moeller, J., Trilling, D., & van Atteveldt, W.** (2024). What is news? mapping the diversity of news experiences in digital trace data. *Journalism*, 14648849241303115.
- Welbers, K., **Loeberbach, F.**, Lin, Z., & Trilling, D. (2024). Anything you would like to share: Evaluating a data donation application in a survey and field study. *Computational Communication Research*, 6(2), 1.
- Hase, V., Ausloos, J., Boeschoten, L., Pfiffner, N., Janssen, H., Araujo, T., Carrière, T., De Vreese, C. H., Haßler, J., **Loeberbach, F.**, et al. (2024). Fulfilling data access obligations: How could (and should) platforms facilitate data donation studies? *Internet Policy Review: Journal on Internet Regulation*, 13(3).
- Van Hoof, M., Trilling, D., Meppelink, C., Möller, J., & **Loeberbach, F.** (2024). Googling politics? comparing five computational methods to identify political and news-related searches from web browser histories. *Communication Methods and Measures, online first*, 1–27.
- Otto, L., **Loeberbach, F.**, & Vliegenthart, R. (2024). Linkage analysis revised – linking digital traces and survey data. *Communication Methods and Measures*, 18(2), 186–204.
- Araujo, T., Ausloos, J., Van Atteveldt, W., **Loeberbach, F.**, Moeller, J., Ohme, J., Trilling, D., Van de Velde, B., De Vreese, C., & Welbers, K. (2022). OSD2F: An open-source data donation framework. *Computational Communication Research*, 4(2).
- Van der Velden, M., & **Loeberbach, F.** (2021). Epistemic overconfidence in algorithmic news selection. *Media and Communication*, 9(4), 182–197.
- Loeberbach, F., Welbers, K., Moeller, J., Trilling, D., & Van Atteveldt, W.** (2021). Is this a click towards diversity? Explaining when and why news users make diverse choices. *13th ACM Web Science Conference 2021*, 282–290.

REPORTS, BOOK CHAPTERS, AND PRESENTATIONS

- Schuck, A., Wonneberger, A., Meijers, M., & **Loeberbach, F.** *Who's afraid of climate change? News coverage of the COP21 paris climate summit and its effects on pro-environmental behavior*. Paper presented at ICA Conference, San Diego. 2017.
- Kroon, A., Trilling, D., Fokkens, A., **Loeberbach, F.**, Moeller, J., van der Velden, M., & van Atteveldt, W. *Improving automated content analysis with news-specific word embeddings for medium-resourced languages*. Poster presented at the 5th International Conference on Computational Social Science IC2S2, Amsterdam. 2019.
- Loeberbach, F., & Trilling, D.** *It takes three to tango – the interplay of political press releases, social media and newspapers*. Paper presented at ICA Conference, Washington. 2019.

- Loecherbach, F.,** Moeller, J., Trilling, D., & Van Atteveldt, W. *Perceived control and satisfaction in news recommender systems*. Poster presented at ICA Conference, Gold Coast (virtual). 2020.
- Moeller, J., **Loecherbach, F.,** Moeller, J., & Helberger, N. *Out of control? Using interactive testing to understand user agency in news recommendation systems*. Paper presented at ICA conference, Denver (virtual). 2021.
- Van der Velden, M. A. C. G., & **Loecherbach, F.** *Content analysis in the research field of political coverage*. Handbook of Standardized Content Analysis: Applied Designs to Research Fields of Communication Science. 2022.
- Weidmüller, L., Etzrodt, K., **Loecherbach, F.,** Moeller, J., & Engesser, S. *Ich höre was, was du nicht hörst: Medienvielfalt und Transparenz bei Sprachassistenten [I hear something you don't: Media diversity and transparency in smart assistants]*. Report for the German Media Authorities (Landesanstalt für Medien, NRW). 2022.
- Moeller, J., **Loecherbach, F.,** Moeller, J., & Helberger, N. *Out of control? Using interactive testing to understand user agency in news recommendation systems*. News Quality in the Digital Age. 2023.
- Loecherbach, F.,** & Van Atteveldt, W. *Social media data donation and digital tracking*. Handbook of Computational Social Science. 2023.
- Loecherbach, F.,** Casas, A., & Wedel, L. *Automated image analysis*. In Haim, M., Domahidi, E. (Eds.). The Handbook of Computational Communication Research. Accepted Version. 2025.
- Loecherbach, F.** *Data donations*. In Nai, A., Grömping, M., Wirz, D. (Eds.). Elgar Encyclopedia of Political Communication. Edward Elgar Publishing. Accepted Version. 2025.