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#### ACADEMIC POSITIONS

- 2023–**      **Postdoctoral Researcher**  
*Department of Sociology, Radboud University*
- 2019–**      **PhD Candidate**  
**2023**      *Department of Sociology, Utrecht University / Interuniversity Center for Social Science Theory and Methodology (ICS)*  
Dissertation topic: The Dark Side of Cooperation – Cooperation of Agents in Extra-legal Contexts  
Supervisors: Prof. Dr Vincent Buskens, Dr Wojtek Przepiorka

#### EDUCATION AND TRAINING

- 2016–**      **MSc Economics – Behavioural Economics and Game Theory**  
**2017**      *University of Amsterdam, Amsterdam, The Netherlands*  
Thesis project: Ignorance is Bliss – The Effects of Ignorant Behaviour and Its Spreading in Group Settings, Supervisor: Prof. Dr Joël van der Weele
- 2012 –**      **BA Sociology**  
**2016**      *University of Belgrade, Belgrade, Serbia*  
Specialization in Economic Sociology, Graduated cum laude

#### RESEARCH AFFILIATIONS

- Summer**      **Visiting Scholar**  
**2023**      *Hosted by dr. Mirta Galesic, Santa Fe Institute, Santa Fe*
- Spring –**      **Visiting Scholar**  
**Summer**      *Hosted by dr. Milena Tsvetkova, Department of Methodology, London School of*  
**2022**      *Economics and Political Science, London*
- 2022–**      **Junior Member**  
**present**      *Centre for Complex Systems Studies (CCSS), Utrecht University*

#### PEER-REVIEWED PUBLICATIONS

- Macanovic, A.**, and Przepiorka, W. 2024. A Systematic Evaluation of Text Mining Methods for Short Texts: Mapping Individuals' Internal States from Online Texts. *Behavior Research Methods (forthcoming)*. Preprint: doi: 10.31235/osf.io/cerzs.
- Macanovic, A.**, Tsvetkova, M., Przepiorka, W., and Buskens, V. 2024. Signals of Belonging: Emergence of Signalling Norms as Facilitators of Trust and Parochial Cooperation. *Philosophical Transactions of the Royal Society B* 379:20230029. doi: 10.1098/rstb.2023.0029
- Macanovic, A.**, Przepiorka, W. 2023. The Moral Embeddedness of Cryptomarkets: Text Mining Feedback on Economic Exchanges on the Dark Web. *Socio-Economic Review* mwad069. doi: 10.1093/ser/mwad069
- Macanovic, A.** 2022. Text Mining for Social Science – The State and the Future of Computational Text Analysis in Sociology. *Social Science Research*, doi: 10.1016/j.ssresearch.2022.102784

#### OTHER PUBLICATIONS

- Ollion E., Shen, R., **Macanovic, A.**, Chatelain, A. 2024. The dangers of using proprietary LLMs for research. *Nature Machine Intelligence*. doi: 10.1038/s42256-023-00783-6

## WORK IN PROGRESS

**Macanovic, A.**, Hofstra B. 2024. Gendered Accumulation of Fame: Effects of Cumulative Advantage and Network Spillovers on Representation of Dutch Professors in Media. *In preparation.*

**Macanovic, A.**, Przepiorka, W., and Buskens, V. 2023. Governing Through Gossip: The Role of Informal Communication in Reputation-Based Online Markets. *In preparation.*

Ollion E., Shen, R., **Macanovic, A.**, Chatelain, A. 2023. ChatGPT for Text Annotation? Mind the Hype! *In preparation.*

Zhang S., **Macanovic, A.** 2023. Minority Group Size Moderates Inequity-reducing Strategies in Homophilic Networks. *In preparation.*

**Macanovic, A.**, and Morando, D. 2023. "I Heard it on the (Silk)Road": Structural and Cultural Pathways to Novelty Introduction in an Online Community. *In preparation.*

## ADDITIONAL TRAINING

**2023**      **Graduate Workshop in Computational Social Science Modelling and Complexity**  
*Organized by the Santa Fe Institute*

**2022**      **Complexity-GAINS International Summer School**  
*Co-hosted by the Santa Fe Institute, the Max Planck Institute for Mathematics in the Sciences, Hamburg University of Technology, Complexity Science Hub Vienna, Quantitative Life Sciences, International Center for Theoretical Physics, and Institute for Advanced Studies, University of Amsterdam*

**2021**      **CNRS Thematic School: Agent-based Modelling in Sociology**  
*Co-hosted by CNRS and GEMASS*

**2021**      **Medici Summer School: Cooperation in organizing and innovating**  
*Co-hosted by the University of Bologna, HEC Paris and MIT Sloan School of Management*

**2021**      **Summer Institute in Computational Social Science (SICSS) London**  
*Co-hosted by the University College London, London School of Economics, Imperial College London, Greenwich University, and City, University of London*

**2021**      **Supervising Student Research Training**  
*Faculty of Social and Behavioural Sciences, Utrecht University*

**2020**      **Start to Teach Teacher Training**  
*Utrecht University*

## TEACHING ACTIVITIES

**2022**      **Master Thesis (MSc Applied Data Science)**  
*Utrecht University*

Co-supervising MSc students' final thesis projects

**2021**      **Bachelorproject Sociologie (BA Thesis Sociology)**  
*Utrecht University*

Supervising BA students' final thesis projects

**2020 -**      **Advanced Sociological Theory: Modelling Social Interaction**  
**2023**      *Utrecht University*

Leading seminar groups

## INVITED TALKS

**2024**      Coffee and Knowledge sessions, Netherlands Institute for Social Research  
Title: *Computational Text Analysis for Social Sciences: Opportunities and Challenges*

**2023**      Meeting of the Organisational Behaviour research group, Utrecht University  
Title: *Mapping Individuals' Internal States from Online Texts: A Systematic Evaluation of Text Mining Methods for Short Texts.*

- 2023 Colloquium of the Social, Economic, and Organisational Psychology department, Leiden University  
Title: *Mapping Individuals' Internal States from Online Texts: A Systematic Evaluation of Text Mining Methods for Short Texts.*
- 2023 Cooperative Relations Seminar, Department of Sociology, Utrecht University  
Title: *Signals of Belonging: Emergence of Signalling Norms as Facilitators of Parochial Cooperation.*
- 2023 Centre for Complex Systems Studies (CCSS), Utrecht University  
Title: *Minority Group Size Moderates Inequity-Reducing Strategies in Homophilic Networks*
- 2022 Summer Institute in Computational Social Science (SICSS) London  
Title: *"I Heard it on the (Silk)Road": Who Introduces Innovations in Online Communities?*

#### CONFERENCE AND WORKSHOP PRESENTATIONS

- 2023 "I Heard it on the (Silk)Road": Structural and Cultural Pathways to Novelty Introduction in an Online Community. *118<sup>th</sup> Annual Meeting of the American Sociological Association, Philadelphia*
- 2023 Governing Through Gossip: The Role of Informal Communication in Reputation-Based Online Markets. *118<sup>th</sup> Annual Meeting of the American Sociological Association, Philadelphia*
- 2023 Governing Through Gossip: The Role of Informal Communication in Reputation-Based Online Markets. *9<sup>th</sup> International Conference on Computational Social Science (IC<sup>2</sup>S<sup>2</sup>), University of Copenhagen, Copenhagen*
- 2023 "I Heard it on the (Silk)Road": Structural and Cultural Pathways to Novelty Introduction in an Online Community. *9<sup>th</sup> International Conference on Computational Social Science (IC<sup>2</sup>S<sup>2</sup>), University of Copenhagen, Copenhagen*
- 2023 Governing Through Gossip: The Role of Informal Communication in Reputation-Based Online Markets. *Force of Gossip Conference, Vrije Universiteit Amsterdam, Amsterdam*
- 2023 Governing Through Gossip: The Role of Informal Communication in Reputation-Based Online Markets. *15<sup>th</sup> Annual Conference of the International Network of Analytical Sociologists (INAS), Princeton University, Princeton*
- 2023 The Moral Embeddedness of Cryptomarkets: Text Mining Feedback on Economic Exchanges on the Dark Web. *International Meeting on Experimental and Behavioral Social Sciences (IMEBESS), Lisbon*
- 2023 Text Mining in Social Sciences: A Methods Overview. *DYSTENA Workshop: Gaining Insights into Social Media Discourse by Combining Text and Network Analyses, Online*
- 2022 Computational Text Analysis for Sociology – Opportunities and Challenges. *ODISSEI Conference for Social Science in the Netherlands 2022, Utrecht*
- 2022 Does the Grapevine Still Matter? The Importance of Gossip in the Presence of Formalized Reputation Measures in Online Markets. *International Conference on Social Dilemmas (ICSD) 2022, University of Copenhagen, Copenhagen*

#### PROFESSIONAL SERVICE AND AFFILIATIONS

- 2022-2023 **Student Representative, Rationality and Society section of the American Sociological Association**
- 2022-2023 **Vice-chair, Young Complexity Researchers Utrecht (YCRU)**
- 2023 Co-organizing events and guest talks at the Centre for Complex Systems Studies (CCSS) of Utrecht University

**2021 - Ad-hoc Reviewer**

*American Journal of Sociology, EPJ Data Science, European Sociological Review, International Journal of Drug Policy, Journal of Personality and Social Psychology, Poetics, Political Analysis, Scientific Reports, Socio-Economic Review*

**GRANTS/AWARDS**

**2023 Innovative Tandem Collaboration Grant**

Awarded a €15 000 grant by the Cologne International Forum for the project “The Online and Offline Effects of Terror Attacks on Public Opinion Regarding Immigration”, co-PI dr. Mark Wittek.

**2023 Swaantje Mondt PhD Travel Fund**

Awarded €2467 by the Swaantje Mondt Fund and the Utrecht University Centre for Complex Systems Studies (CCSS) for a research visit to the Santa Fe Institute.

**2023 Visiting Fellowship, The Academy of Sociology (AS)**

Awarded €1970 for costs of the research visit to the Santa Fe Institute.

**2022 Complexity-GAINs Summer School Stipend**

Awarded \$250 for travel and living costs during the participation in the Complexity-GAINs summer school co-organized by Santa Fe Institute (SFI) and partnering institutions.

**2022 Swaantje Mondt PhD Travel Fund**

Awarded €2380 by the Swaantje Mondt Fund and the Utrecht University Centre for Complex Systems Studies (CCSS) for a research visit to the London School of Economics and Political Science.

**2013-2016 Excellence Scholarship of the Ministry of Education, Science and Technological Development, Republic of Serbia**

A 3-year scholarship awarded by the Serbian Ministry of Education, Science and Technological Development to students who show extraordinary success during their studies.

**PERSONAL SKILLS**

**Languages**

- Serbian (Native);
- English (C2, Cambridge CAE Certificate);
- Russian (C1);
- Japanese (B2, JLPT N2 Certificate);
- Dutch (B2);
- German (A1)

**Computer Skills**

- R, Stata, Python, NetLogo, SPSS
- oTree
- InRule (Business Rule Management System), Jira
- Git
- Microsoft Office Package (MS Word, MS Excel, MS PowerPoint)
- Corel Paint Shop Pro