CLEMENS A.E.R. JARNACH

DEPARTMENT OF SOCIOLOGY, UNIVERSITY OF OXFORD
GREEN TEMPLTON COLLEGE

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RESEARCH EXPERTISE & INTEREST

Substantive: Political Sociology, Psephology, Social Networks, Media, Public Opinion, Political News Consumption, Electoral Behaviour, Democracy

Methodological: Inferential Statistics, Computational Social Science, Machine Learning, Natural Language Processing, Network Analysis

EDUCATION

DPhil Candidate in Sociology (4th year), University of Oxford, (2019 – 2025)
> Thesis Title: *News, Media, and Brexit: The Effects of News Consumption on Voting Behaviour and Identity Formation in British Politics*
> Supervisor: Professor Stephen Fisher, DPhil

M.Sc., University of Oxford, Sociology, (2017 – 2018)
> Thesis: *Should We Worry About Echo Chambers Increasing Political Segregation? A social network analysis approach to investigating echo chambers*
> Final Mark: Distinction
> Supervisor: Paula Sheppard, PhD

B.Sc., Bayes Business School, City, University of London, Business Studies, (2014 –2017)
> Thesis: *Share Price Movements Associated with FTSE 100 Index Revisions*
> Final Mark: Distinction
> Supervisor: Sotiris Staikouras, PhD

AWARDS & SCHOLARSHIPS

ESRC Doctoral Studentship
ESRC Grand Union DTP Advanced Quantitative Methods Studentship (2018 – 2025)

Bayes Business School, Scholarship
Cass Scholarship, (2015 – 2017)

PROFESSIONAL EXPERIENCE

Senior Consultant and Research Analyst at Intaconnected Ltd (2024 – Present)
- Applied quantitative methods (statistics, machine learning, network analysis) to address societal challenges with data-driven solutions.

- Advising on sustainable business initiatives, policy, and integrating innovative technology for philanthropic and nature-positive impacts.

Student Ambassador at Green Templeton College, University of Oxford (2024 – 2025)
- Represented the student body as a key liaison, fostering communication and collaboration between students and the College administration.
- Guided incoming students, provided essential support during their transition to college life, and acted as a bridge between students and the college office team.

Freelance Work: as data scientist and technical writer (2023 – Present)
- Data scientist providing evidence-based insights and analyses to inform decision-making and drive strategic initiatives and policies.
- Technical writer for publications, corporations, and blogs, including Better Programming, Towards AI, and Level Up Coding. My articles cover topics such as data science, computational social science, artificial intelligence, statistical analysis, and programming in R and Python.

Graduate Student Researcher and Project Manager, Oxford Summer Research Project supervised by NASA (2023)
- Led a team of graduate students as Project Manager and Team Lead in a research initiative supervised by NASA, focusing on deep space exploration.
- Developed and presented architecture design and research objectives for a future mission to Venus.
- Demonstrated expertise in interdisciplinary research, combining engineering, astrophysics, and mission planning to address complex challenges in space exploration.

Casual Research Assistant to Associate Professor Jason Bell, Saïd Business School, Oxford (2022 – 2023)
- Explored, described, and modelled power law distributions within units across time
- Identified appropriate mathematical and statistical tools for treating power law time series
- Identified theoretical frameworks for project.

Manuscript reviewer for PLOS One Journal (2022)

Anthemis Group, London (2016)
Working student at Anthemis strategy consulting

Deutscher Bundestag, Berlin, (September 2014)
Internship at Alexander Dobrindt, Federal Minister of Transport and Digital Infrastructure

TEACHING EXPERINECE
- **University of Oxford**
  Tutor in Sociological Theory, Radical Social Theory, and Political Sociology for Department of Sociology, Undergraduates; Honour School of Philosophy, Politics,

and Economics; Balliol College, Brasenose College, St Catherine's College, St Hugh's College, Jesus College, Somerville College (Academic Year 2021/22 – Present)

- **Günter-Stöhr Gymnasium, Munich**
  Tutor and Mentor for secondary school pupils, responsible for wellbeing and welfare support, and tutoring in Mathematics, Politics, Latin (2012-2014)

SELECTED PRESENTATIONS

- **"The Role of News Media in Shaping Voter Decisions: A Study of the 2016 Brexit Referendum in the UK"**
  Speaker, WAPOR – 76th WAPOR –"Public Opinion Research in a Technology-Driven World", annual conference September 19-22, Paris Lodron University of Salzburg (2023)

- **"How Polarised is Online News Consumption?"**
  Poster Presentation, ESRC Grand Union DTP Annual Conference 2022: "Reimagining Social Science" at St Anne's College, University of Oxford (2022)

- **"Examining Whether Leavers and Remainers Read the Same News in the Brexit Referendum Campaign"**
  Speaker, Euro CSS – 3rd European Symposium on Societal Challenges in Computational Social Sciences (#eurocss 2019), "Polarization and Radicalization", ETH Zürich (2019)

- **"Investigating Online Media Consumption for Signs of Political Polarisation in the Context of Brexit"**
  Speaker – CRASSH – "Rethinking Repetition in a Digital Age" Symposium, University of Cambridge, Centre for Research in the Arts, Social Sciences and Humanities (2019)

- **"Polarisation of Online Media Consumption"**
  Poster Presentation, University of Oxford, Social Sciences Division Welcome and Induction event for new DPhil students (2019)

ADDITIONAL TRAINING

- "Preparation for Learning and Teaching at Oxford", University of Oxford, (Michaelmas Term, 2021)
- "Databases: Concepts of database design (Access, MySQL)", Oxford IT Learning centre (2021)
- "R: Hands-on with using R for data analysis", Oxford Learning Centre (2021)
- "SICSS – Oxford 2019", The Summer Institutes in Computational Social Science (2019)
- "Research Skills Toolkit for Social Sciences Division", Oxford IT Learning centre (2019)

LANGAUGES

- English (fluent)
- German (native)