Giuliano Formisano

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EDUCATION

- **University of Oxford** — Oxford, UK
  Doctor of Philosophy (PhD); Social Data Science — *Sept 2021 - Present*
  Courses: Data Analytics, Machine Learning, Natural Language Processing, Networks, Statistics
  Thesis: A Computational Analysis of the Italian Political discourse (2014-2019). Integrated thesis focusing on Transfer Learning and Network analysis

  - **Sciences Po, Paris** - Centre for European Studies and Comparative Politics — Paris, FRA
    Visiting Scholar; Advisors: Dr Joost de Moor & Dr Caterina Froio — *March 2023 - April 2023*

- **University of Oxford** — Oxford, UK
  Master of Philosophy (MPhil); Political Science — *Oct 2019 - June 2021*
  Courses: Comparative Government, Political Economy, Machine Learning, Advanced Statistics
  Thesis: How does spread polarisation on Twitter? A computational analysis of Matteo Salvini's rhetoric (2013-2019)

- **University of Exeter** — Exeter, UK
  Bachelor of Arts (BA); Politics and International Relations — *Sept 2016 - June 2019*
  Courses: Comparative Politics, Political Psychology, Classical Political Ideas, Research Design
  Thesis: The rise of nationalist parties in Italy and France after Maastricht: A comparative analysis of the Lega Nord and Front National communication

PEER-REVIEWED PUBLICATION(S)

- Friedrichs, J.*, Stoehr, N.*, **Formisano, G.*** (2022) Fear-Anger Contests: Governmental and Populist Politics of Emotion. *Online Social Networks and Media*, 32, pp. 1-13.

ONGOING RESEARCH

- **Giuliano, F.**, Friedrichs, F., Schaffner, F., Stoehr, N. (Working Paper) A Machine Learning Approach to Analysing Populist and Governmental Rhetoric during the Coronavirus Pandemic.

- Clemente, A.*, **Formisano, G.*** (Working Paper) Are we all in this together? Using transfer learning to study changes in redistribution attitudes during COVID-19. *Presented at EPSA 2022*.

- Saunders, C., **Formisano, G.**, Lavender, L., Palmer, A. (Working Paper) Affective Polarisation: Imagined or Real? A Discourse Analysis of the Debate About Bovine TB and Badger Culling.

- **Formisano, G.**, Sohnius, M.L. (Work in Progress) Political distrust and voter turnout in the 2020 US Presidential Elections.

- Valentim, V.*, **Formisano, G.*** (Work in Progress) Calling out unacceptable rhetoric on social media.

- Downing, J.*, Errichiello, E.*, **Formisano, G.*** (Work in Progress) Securitizing Muslim migrants in Western Europe: A computational analysis of elite and non-elite actors' communication on Twitter in European terror attacks.

- Theocharis, Y., Kosmidis, S., **Formisano, G.** (Work in Progress) Origins of the subcrowds.

- Froio, C., Castelli-Gattinara, P., **Formisano, G.**, et al. (Work in Progress) Protest Event Analysis: A Supervised NLP Approach.

*Authors have equally contributed.

Presentations, Conferences, and Talks

Notes: **P** denotes "Presenter"; **D** denotes "Discussant"; **I** denotes Interviewer

2023

- **D:** Research in Progress DPhil seminar series, Department of Politics and IR, University of Oxford; **D & P:** European Political Science Association Conference (*forthcoming*)

2022

- **D & P:** European Political Science Association Conference (Discussant and Presenter); **P:** DPhil Work in Progress Workshop, Department of Politics and IR, University of Oxford; **P:** DPhil Seminar, Oxford Internet Institute, University of Oxford; **P:** PhD Work in Progress Seminar, European University Institute; **P:** 17th Annual Doctoral Conference, Central European University

2020-2021

- **I:** Oxford University Italian Society Talks, Interview Series: Enrico Letta (ex-Italian PM), Marco Cappato (ex-MEP), Beatrice Vio (Paralympic Champion), Giuseppe Civati (ex-MP), Andrew Howe (Athlete), Marco Montemagno (Entrepreneur)

Teaching

University of Oxford, Oxford Internet Institute   Oxford, UK
Graduate Level Courses:

- Digital Social Research Method: Statistics Core, Teaching Assistant   *Oct 2022 - Dec 2022*
- Digital Era Politics and Government, Teaching Assistant   *Jan 2022 - Mar 2022*

Research Experience

AuthLib Project; CEU Democracy Institute & EU Horizon 2020   Oxford, UK
Research Assistant; Advisors: Prof(s) Stephen Whitefield & Spyros Kosmidis   *Dec 2022 - Present*
Constructing a research design to collect a large textual dataset of public opinion, train a machine learning classifier for illiberal behaviour, and analyse data.

Sciences Po; Centre for European Studies and Comparative Politics   Remote, Paris, FRA
Research Assistant; Advisor: Dr Caterina Froio   *June 2022 - Present*
Developing a machine learning classifier to classify protest events based on a large dataset of human-coded newspaper articles from European multilingual sources.

University of Oxford   Oxford, UK
Research Assitant; Advisor: Prof Spyros Kosmidis   *April 2022 - June 2022*
Applied transfer learning to conduct a sentiment analysis based on roBERTa, and designed and implemented sequence classification based on a pre-labelled corpus of 2,000 political tweets.

Research Assistant; Advisor: Dr Vicente Valentim   *April 2022 - June 2022*
Built large Twitter posts dataset, applied and validated sentiment analyses for multilingual text.

Research Assistant; Advisor: Prof Joerg Friedrichs   *Sept 2020 - Dec 2020*
Programmed web-scraping tools to build large online electoral datasets. Coded data with pre-trained machine learning classifiers. Analysed data via time-series analyses.

University of Exeter   Exeter, UK
Research Assitant; Advisor: Prof Clare Saunders   *May 2018 - Aug 2019*
Produced literature review on affective polarisation. Coded and analysed interview transcripts about the 2015 UK Badger Culling policy, involving governmental actors, police, stakeholders and citizens.

Honours and Awards

- ESRC Advanced Quantitative Scholarship (Tuition Fees and Stipend) *Oct 2021 - Oct 2024*
- Nuffield College Research Scholarship (College Fees) *Oct 2021 - Oct 2024*
- Victor Wiseman Prize - Winner for the highest grade overall and for dissertation *June 2019*

Languages and Skills

- **Languages**: Italian (native), English (Bilingual), French and Spanish (Professional Proficiency)
- **Coding**: Python, R, SPSS, php, html, css
- **Key libraries**: Pytorch, Tensorflow, Scikit, Keras, NLTK, NetworkX, Pandas, Numpy
- **Platforms**: Anaconda, VSCode, RStudio, AWS, Git/GitHub, Docker, Google Workspace
- **Publishing**: Git/GitHub, Rmarkdown, Jupyter Notebooks, LaTeX, DataVerse

References

- Prof Spyros Kosmidis, Politics Department, University of Oxford: spyros.kosmidis@politics.ox.ac.uk.

- Prof Ralph Schroeder, Oxford Internet Institute, University of Oxford: ralph.schroeder@oii.ox.ac.uk.

- Prof Joerg Friedrichs, International Development, University of Oxford: joerg.friedrichs@qeh.ox.ac.uk.