

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

Master of Philosophy (MPhil); Politics Oct 2019 - June 2021
Courses: Comparative Government, Political Economy, Machine Learning, Advanced Statistics
Thesis: How does polarisation spread 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

PEER-REVIEWED RESEARCH

- Friedrichs, J.*, Stoeck, N.*, **Formisano, G.*** (forthcoming) Fear-Anger Contests: Governmental and Populist Politics of Emotion. *Online Social Networks and Media*.

WORK IN PROGRESS

- **Giuliano, F.**, Friedrichs, F., Schaffner, F., Stoeck, 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.**, Sohnus, M.L. (Work in Progress) Political distrust and voter turnout in the 2020 US Presidential Elections.
- Theodoris, 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

- European Political Science Association Conference (Discussant and Presenter) 2022
- DPhil Work in Progress Workshop, Department of Politics and IR, University of Oxford 2022
- DPhil Seminar, Oxford Internet Institute, University of Oxford 2022
- PhD Work in Progress Seminar, European University Institute 2022
- 17th Annual Doctoral Conference, Central European University 2022
- Oxford University Italian Society Talks, Interview Series 2020-2021
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 Nov 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 Assistant; 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 Assistant; 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, L^AT_EX, 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.