

Musashi Jacobs-Harukawa

Pre-Doctoral Researcher at UCL, PhD Candidate in Politics at University of Oxford
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Positions Held

2021-pres. **University College London** | Pre-Doctoral Researcher
Project: *MENMOPE*: Mental Models of the Political Economy | P.I. *Prof. Lucy Barnes*
Applying text-as-data and survey experiment methods to measure and manipulate saliency of mental models of the economy in the public and media.

Education

2019-2022* **University of Oxford** | DPhil in Politics
Supervisors: *Prof. Andrew Eggers, Prof. Raymond Duch*
Thesis: *New Empirical Methodologies for Studying Modern Political Campaigning*
* Expected completion

2018-2019 **University of Oxford** | MSc in Politics Research
Supervisor: *Prof. Andrew Eggers*
Focus: *causal inference, statistics and text-as-data methods*

2012-2015 **University of Oxford** | BA in Philosophy, Politics and Economics
Focus: *game theory, politics of Latin America*

Research

Under Review

- “Does Microtargeting Work? Evidence from an Experiment during the 2020 United States Presidential Election”. *Links to* [Summary](#), [Paper](#), [Appendices](#).

Working Papers

- “Attribution, Rationales and Annotation: An Analysis of US Presidential Campaigns on Facebook, 2017-2020”. *Presenting at upcoming CPEB Workshop*.
- “Text-and-Image-as-Data? Multimodal Embeddings for Political Advertisements.” *Link to* [Poster Summary](#) *as presented at TADA '21*.
- “An Unsupervised Text-as-Data Approach to Detecting the Effects of Electoral Constraints on Online Communication Strategies in New Zealand”. *Master's Thesis*.

Research Assistance

2020 To **Prof. Radoslaw Zubek**, University of Oxford
Authored literature review of manual and automatic topic discovery methods.

2019 To **Dr. Raluca Pahontu**, University of Oxford
Developed fuzzy string matching algorithm for merging voter records with typos.

Teaching

2020-pres. **Introduction to Python for Social Science**, Course Designer and Instructor
Department of Politics and International Relations, University of Oxford
Slides and materials available at: muhark.github.io/dpir-intro-python

2021 **Data Analytics at Scale**, Teaching Assistant
Oxford Internet Institute, University of Oxford

2021 **Comparative Government**, Seminar Convenor
Department of Politics and International Relations, University of Oxford

2019 **Introduction to Statistics**, Teaching Assistant
Oxford Internet Institute, University of Oxford

Professional Experience

- 2019-pres. **Political Campaigning Consultancy**, London, UK
In-house data science consultant.
- 2017-2018 **SBI Group**, Tokyo, Japan
Lead researcher at Equities and Derivatives Exchange SBI Japannext.
- 2016-2017 **IEC Nichibei**, Tokyo, Japan
- 2015-2016 **Language Link**, Moscow, Russia

Scholarships, Grants and Awards

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| 2022 | Norman Chester Grant | University of Oxford |
| 2021 | Travel and Conference Grant | Text-as-Data Conference |
| 2020 | Merton College Graduate Research Fund | Merton College, Oxford |
| 2019 | DPIR Studentship (Full PhD Tuition and Stipend) | University of Oxford |
| 2019 | Graduate Research Fund | St Catherine's College, Oxford |
| 2013 | Exhibitionership | Merton College, Oxford |

Professional Activities

Presentations, Conferences and Colloquia

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| 2022 | MPSA "Campaign Messaging" Panel | Panellist |
| 2021 | Digital Democracy Lab Workshop, U. Zurich | Panellist |
| 2021 | Text-as-Data Conference, U. Michigan | Poster |
| 2021 | Elections, Public Opinion and Parties Conference, QMUL | Panellist |
| 2021 | EPSA "Methodology of Text Analysis" Panel | Discussant |
| 2021 | Politics in Progress Colloquium, U. Oxford | Presenter |
| 2019 | COMPTEXT, Waseda University | Attendee |

Service to the Community

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|------|---|---------------------|
| 2022 | Japanese Journal of Political Science | Reviewer |
| 2022 | Politics Research in Progress Collquium, DPIR | Co-Convenor |
| 2020 | Research & Politics Journal | Reviewer |
| 2020 | Oxford Politics FHS Examination Committee | Statistical Analyst |

Technical Skills

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| Coding Languages | Python [†] , R [†] , shell ^{**} , Julia, SQL ^{**} , php |
| Key Libraries | PyTorch [*] , Scipy Stack [†] , tidyverse [*] |
| Fields | Text-as-Data [†] , Machine Learning ^{**} , Econometrics ^{**} , Deep Learning [*] |
| Roles | Data Science Lead [†] , Data Engineer ^{**} , System Admin, Web Dev |
| Development Tools | Git(hub) ^{**} , Docker, Nginx, MariaDB, PostgreSQL ^{**} , Amazon AWS |
| Composition | Markdown [†] , Microsoft/Google/Libre Office [†] , \LaTeX , html, css |

(* , ** and [†] indicate 1000, 2000 and 3000+ hours experience respectively)

Other

Selected Blog Posts

- [On Emotion and Reason in Political Language \(Gennaro and Ash 2021\)](#)
- [Implementing Word2Vec in PyTorch](#)
- [Making Your Life Easier with Docker](#)
- [First Steps to Optimizing Python Code](#)
- [Beginner Guide to Using Twitter's Academic Track API](#)

(Natural) Languages

- English: Native
- Japanese: Advanced Spoken, Intermediate Reading/Writing
- Spanish: CEFR C1 (Advanced Proficiency)
- Russian: CEFR A2 (Basic)