

# 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](https://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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|--|--------------------------------|
| 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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|--|------------|
| 2021 <i>Digital Democracy Lab</i> Workshop, U. Zurich              | Panellist  |
| 2021 <i>Text-as-Data</i> Conference, U. Michigan                   | Poster     |
| 2021 <i>Elections, Public Opinion and Parties</i> Conference, QMUL | Panellist  |
| 2021 EPSA "Methodology of Text Analysis" Panel                     | Discussant |
| 2021 <i>Politics in Progress Colloquium</i> , U. Oxford            | Presenter  |
| 2019 <i>COMPTXT</i> , Waseda University                            | Attendee   |

### Service to the Community

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

## Technical Skills

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

(\* , \*\* and <sup>†</sup> 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)