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 US Presidential Election". *Links to* Summary, Paper, Appendices.

Working Papers

- "Linking Economic Ideas and Narratives Across Corpora".
  Co-authored with Dr. Lucy Barnes (UCL), presented at EPSA '22.
- "Learning from Machines: Identifying Differences between US Campaigns on Facebook".
  Thesis chapter, presented at PaCSS '22.
- "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

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 Colloquiua

2022 *EPSA*: "Measurement: Polarization and Political Communication" Panel
2022 *PaCSS*: "Political Advertising" Panel
2022 *COMPTEXT*: "Narratives and Multilingual Analysis" Panel
2022 *MPSA*: "Campaign Messaging" Panel
2021 *CESS* Colloquium, Nuffield College, Oxford
2021 *Digital Democracy Lab* Workshop, U. Zurich
2021 *Text-as-Data* Conference
2021 *Elections, Public Opinion and Parties* Conference

Service to the Community

2022	*Japanese Journal of Political Science*	Reviewer
2022	*Politics Research in Progress Collquium*, DPIR	Co-Convenor
2020	*Research & Politics* Journal	Reviewer

Technical Skills

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)