Musashi Jacobs-Harukawa

Doctoral Candidate in Political Science, University of Oxford
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Education

2019-2022* **University of Oxford** | DPhil in Politics
Supervisor: *Prof. Andy Eggers*
Thesis: *New Empirical Methodologies for Studying Modern Political Campaigning*
* scheduled completion

2018-2019 **University of Oxford** | MSc in Politics Research
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".
  I design and deploy a dynamic survey experiment design to estimate the effect of optimally allocating campaign advertisements on-the-fly on the basis of respondent traits. I find that microtargeting can work; among unaligned voters who had not pre-voted, optimally allocating anti-Biden advertisements caused a 8.7 percentage point increase in proportion of respondents stating Biden dislike and 7.1 percentage point decrease in proportion stating intent to vote for Biden.

Working Papers

- "An Unsupervised Text-as-Data Approach to Detecting the Effects of Electoral Constraints on Online Communication Strategies in New Zealand". *Master's Thesis*.

Work in Progress

- "*Text-and-Image-as-Data?* Multimodal Embeddings for Political Advertisements."
- "*This Ad has been Personalized to You.* Comparing the Effectiveness of Policy Interventions on Targeted Advertising."

Research Assistance

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

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

Teaching

2020-now **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 **Comparative Government**, Seminar Convenor
Department of Politics and International Relations, University of Oxford

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

External Employment

2019-now	**Political Campaigning Consultancy**, London, UK In-house data scientist providing analytics and data visuals.
2017-2018	**SBI Group**, Tokyo, Japan Lead researcher at Equities and Derivatives Exchange SBI Japannext.
2016-2017	**IEC Nichibei**, Tokyo, Japan EFL Teacher and Course Designer
2015-2016	**Language Link**, Moscow, Russia EFL Teacher-Intern

Scholarships, Grants and Awards

2020	Merton College Graduate Research Fund (£1500)	Merton College, Oxford
2019	DPIR Studentship (Full PhD Tuition and Stipend)	University of Oxford
2019	Graduate Research Fund (£200)	St Catherine's College, Oxford
2013	Exhibitionership (£100)	Merton College, Oxford

Professional Activities

Presentations, Conferences and Colloquiua

2021	*Elections, Public Opinion and Parties* (EPOP)	Presenter
2021	"Methodology of Text Analysis" Panel, EPSA	Discussant
2021	*Politics in Progress Colloquium*, DPIR	Presenter

Service to the Community

2020	Reviewer	*Research & Politics* Journal
2020	Politics FHS Statistical Report	DPIR, University of Oxford

Technical Skills

Coding Languages	Python†, R†, Bash†, Julia, SQL**, php
Key Libraries	PyTorch, Scipy Stack†, tidyverse*
Fields	Text-as-Data**, Machine Learning**, Econometrics*
Roles	Data Science Lead†, Data Engineer**, System Admin, Web Development
Frameworks	Git(hub)**, Docker, Nginx, MariaDB, PostgreSQL**, Amazon AWS
Composition	Markdown†, Microsoft Office†, LaTeX, `html`, `css`

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

Other

Selected Blog Posts

- Reproducible Development Environments for Social Science Research with Docker
- First Steps to Optimizing Python Code
- On Imbens (2020): Comparing the DAG and PO Approaches to Causal Inference
- Beginner Guide to Using Twitter's Academic Track API

Languages

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