

Dominic Russel

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Education

University of Michigan

Fall 2013 - Spring 2017

B.S. IN STATISTICS AND DATA SCIENCE (MINOR IN POLITICAL SCIENCE), GPA: 3.99/4.00

Highest Distinction; Phi Beta Kappa junior year (1 of 26 selected in class of over 6,000)

Harvard University - Extension School

Spring 2019

COURSE IN REAL ANALYSIS AND OPTIMIZATION (MATH 116/E-216), GPA: 4.00/4.00

Research Experience

New York University, Stern School of Business

Summer 2019 - Present

Junior Research Scientist (Pre-Doc)

- Support Professors Johannes Stroebel and Theresa Kuchler's research on the determinants and effects of social networks
- As a Facebook contractor, work directly with massive, individual-level data by building pipelines in Python, R, Presto (SQL), and Stata

Consumer Financial Protection Bureau

Summer 2017 - Summer 2019

Director's Financial Analyst

- Co-authored "data point" on small mortgage servicers; developed code for CFPB fair lending exams and assessment of major mortgage rule

University of Michigan, Political Science Department

Fall 2013 - Spring 2014

Undergraduate Research Assistant

- Ran a political psychology experiment with one other undergrad to support PhD student Timothy J. Ryan

Peer-Reviewed Publications

The Determinants of Social Connectedness in Europe, *Lecture Notes in Computer Science: Social Informatics 2020* (with Michael Bailey, Theresa Kuchler, Drew Johnston, Bogdan State, and Johannes Stroebel)

Working Papers

The geographic spread of COVID-19 correlates with the structure of social networks as measured by Facebook, 2020, revision requested by *The Journal of Urban Economics: Insights* (with Theresa Kuchler and Johannes Stroebel)

Social Distancing During a Pandemic: The Role of Friends (with Michael Bailey, Drew Johnston, Martin Koenen, Theresa Kuchler, and Johannes Stroebel)

Other Research & Writing

Survey of Pre-Doctoral Research Experiences in Economics, 2020 (with Zong Huang and Pauline Liang) - Covered in [The Economist](#)

Servicer Size in the Mortgage Market, *Consumer Financial Protection Bureau Data Point Series*, 2019 (with Tim Critchfield and Erik Durbin)

The Financialization of Higher Education: What Swaps Cost Our Schools and Students, *Roosevelt Institute White Paper*, 2016 (with Alan Smith and Carrie Sloan) - Covered in [Time](#); [New York Review of Books](#); [Financial Times](#); [Bloomberg](#)

Transformative Infrastructure Investment and American Competitiveness, *Roosevelt Institute White Paper*, 2016 (with Damon Silvers and Eric Bernstein-Harris) - Covered in [The Atlantic](#); [The Guardian](#)

How the University can support small business, *Michigan Daily*, 2016 (with Ruby Kirby)

Presentations

2020 **International Conference of Social Informatics 2020 (SocInfo2020)**, "Social Connectedness in Europe"

2020 **Data Science Conference on COVID-19**, "Social Connectedness and the Geographic Spread of COVID-19"

Honors

2019 **NYU/Schmidt Futures Computational Economics Fellowship**, (\$5,000)

2019 **CFPB Team Achievement Award**, for developing R Shiny app for federal rulemaking - w/ one other RA (\$500)

2017 **Outstanding Undergraduate in Statistics**, selected by department as a top 4 graduate in class of 2017

2016 **Harry S. Truman Scholarship Finalist**, 1 of 3 finalists in MI for highly selective public service scholarship

Teaching & Other Work Experience

University of Michigan, Ross School of Business

Spring 2017

Teaching Assistant for Hila Etzion (Course: Big Data Tools for Data Management and Acquisition)

Applied Predictive Technologies (acquired by Mastercard)

Summer 2016

Associate Product Manager Intern

Additional Information

Programming Languages

R (tidyverse, data.table, shiny), Python (pandas, scikit-learn), C++, Stata, Postgres/MySQL/Presto, REX

Software Contributions

ngeo (an R package for nearest neighbor spatial joins), contributor

Service Activities

Project Northstar Tutor (2017-19); VITA Tax Preparer (2018); Roosevelt Institute Student Board of Advisors (2016-17)

GRE

Quant: 170, Verbal: 168, AW: 5.5