

# 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 and conducted CFPB fair lending examination analyses
- Developed code in R, Stata, and PostgreSQL for the CFPB assessment of the 2013 RESPA Mortgage Servicing 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)

## 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