

Dominic Russel

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Education

University of Michigan

B.S. IN STATISTICS AND DATA SCIENCE, GPA: 3.99/4.00

Fall 2013 - Spring 2017

Harvard University - Extension School

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

Spring 2019

Work Experience

New York University Stern School of Business & Facebook

JUNIOR RESEARCH SCIENTIST & CONTRACTOR

New York, NY

2019 - Present

Consumer Financial Protection Bureau

DIRECTOR'S FINANCIAL ANALYST

Washington, DC

2017 - 2019

Applied Predictive Technologies (acquired by Mastercard)

ASSOCIATE PRODUCT MANAGER INTERN

Arlington, VA

2016

Peer-Reviewed Publications

The Determinants of Social Connectedness in Europe

With Michael Bailey, Theresa Kuchler, Drew Johnston, Bogdan State, and Johannes Stroebel - Forthcoming, *Lecture Notes in Computer Science: Social Informatics 2020*

Working Papers & Advanced Works in Progress

Survey of Pre-Doctoral Research Experiences in Economics

With Zong Huang and Pauline Liang - 2020

Featured in: [The Economist](#), "What it takes to become an academic economist is changing"

The geographic spread of COVID-19 correlates with the structure of social networks as measured by Facebook

With Theresa Kuchler and Johannes Stroebel - *NBER Working Paper No. 26990*, 2020

Featured in: [The Guardian](#), "Facebook friendships can help predict Covid-19 spread, study finds." [The Daily Mail](#), "Facebook data could help predict the spread of future diseases say researchers who found link between social connections and coronavirus hotspots."

Non-Peer Reviewed Publications

Servicer Size in the Mortgage Market

With Tim Critchfield and Erik Durbin - *Consumer Financial Protection Bureau Data Point Series*, 2019

Featured in: [National Mortgage News](#), "CFPB Report Highlights Bank-Nonbank Split in Servicer Size Tiers." [DS News](#), "Where Smaller Mortgage Servicers Dominate."

The Financialization of Higher Education: What Swaps Cost Our Schools and Students

With Alan Smith and Carrie Sloan - *Roosevelt Institute White Paper*, 2016

Featured in: [Time](#), "New Report Outlines Higher Education's \$2.7 Billion 'Debt Bomb'." [New York Review of Books](#), "How the Financing of Colleges May Lead to Disaster!" [Bloomberg](#), "Harvard Borrows Big to Cut Cost of Crisis-Era Derivative Losses." [Financial Times](#), "The US student debt bubble is a study in financial dysfunction."

Transformative Infrastructure Investment and American Competitiveness

With Damon Silvers and Eric Bernstein-Harris - *Roosevelt Institute White Paper*, 2016

Featured in: [The Atlantic](#), "Infrastructure Is Only Popular Without Concrete Details." [The Guardian](#), "Does America believe in public infrastructure anymore?"

How the University can support small business

With Ruby Kirby - *Michigan Daily*, 2016

Say the G-Word: Gentrification in metro Detroit is real

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 Achievement Award**, for developing R Shiny app used in federal rulemaking (\$500)
2017 **Outstanding Undergraduate in Statistics**, selected by department as a top 4 graduate in class of 2017
2016 **Phi Beta Kappa (junior year)**, 1 of 26 selected in class of over 6,000
2016 **Harry S. Truman Scholarship Finalist**, 1 of 3 finalists in MI for highly selective public service scholarship

Programming

- Languages** R (tidyverse, data.table, shiny), Python (pandas, scikit-learn), Stata, Postgres/MySQL/Presto, \LaTeX
Package Contributions ngeo (an R package for nearest neighbor spatial joins), contributor

Service

- 2017-19 **Tutor**, weekly sessions for low-income youth with Project Northstar *Washington, DC*
2018 **Tax Preparer**, IRS certified for Volunteer Income Tax Assistance (VITA) program *Washington, DC*
2016-17 **Student Advisory Board Member**, Edward Ginsberg Center for Community Service and Learning *Ann Arbor, MI*
2015-17 **Chair, Student Board of Advisors**, Roosevelt Institute *New York, NY*