

# Dominic Russel

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## Education

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### 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

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### 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

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### The Determinants of Social Connectedness in Europe

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

## Working Papers & Advanced Works in Progress

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

With Theresa Kuchler and Johannes Stroebe - *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."

### 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"

## Non-Peer Reviewed Publications

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### 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

*Metromode*, 2015

## Presentations

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- 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

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- 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 **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

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

## Service

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- 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*