Dominic Russel

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Education

University of Michigan
Fall 2013 - Spring 2017

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

- Phi Beta Kappa junior year (1 of 26 selected in class of over 6,000)
- Outstanding Undergraduate in Statistics (selected by department faculty as 1 of top 4 graduates in class of 2017)
- Harry S. Truman Scholarship Finalist (1 of 3 finalists in Michigan for highly selective public service scholarship)
- Teaching Assistant, *Technology & Operations 412: Big Data Tools* (in the Stephen M. Ross School of Business)

Harvard University - Extension School
Spring 2019

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

Work Experience

New York University Stern School of Business & Facebook
New York, NY

JUNIOR RESEARCH SCIENTIST & CONTRACTOR   *Summer 2019 - Present*

- Conducting analysis to support research projects exploring social networks, finance, and consumer decision making
- Developed Python, R, and Presto code within the Facebook infrastructure to support Core Data Science team projects

Consumer Financial Protection Bureau
Washington, DC

DIRECTOR'S FINANCIAL ANALYST   *Summer 2017 - Summer 2019*

- Conducted analysis and managed projects to support the CFPB's Small Business Lending rulemaking mandated by the Dodd-Frank Act
- Received monetary award for developing R Shiny tool used in rulemaking
- Served as analyst on CFPB fair lending and redlining examinations of large financial institutions
- Developed code in R, Stata, and PostgreSQL for the Bureau's *2013 RESPA Servicing Rule Assessment Report*

Applied Predictive Technologies (acquired by Mastercard)
Arlington, VA

ASSOCIATE PRODUCT MANAGER INTERN   *Summer 2016*

- Designed and created customer segments from transaction-level data in SQL for Fortune 500 companies
- Modeled new multi-segment testing analytic for financial services and telecommunications client teams

Roosevelt Institute
Remote

NATIONAL STUDENT NETWORK LEADERSHIP (CHAIR OF STUDENT BOARD OF ADVISORS 2016-2017)   *Fall 2014 - Spring 2017*

- Led 5-member board that represented students on 130 campuses in 40 states in Institute decision-making
- Co-authored white papers on higher education and infrastructure with Institute fellows

Working Papers

The geographic spread of COVID-19 correlates with 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."

Social Connectedness in Europe

With Michael Bailey, Theresa Kuchler, Bogdan State, and Johannes Stroebel - 2020

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

Metromode, 2015

Programming

Languages	R (tidyverse, data.table, shiny), Python (pandas, scikit-learn), Stata, Postgres/MySQL/Presto, LaTeX
Package Contributions	nngeo (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*