Kimberly Kreiss

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Education

Princeton University, Masters in Public Affairs (MPA)   Expected 2024

    Concentration: Economics and Public Policy, certificate in Statistics and Machine Learning

    Activities: Law and Political Economy Club, Gender and Policy Network, Ethics of AI Cohort, Julis-Rabinowitz Center for Public Policy and Finance Graduate Associate, Center for Policy Research on Energy and the Environment Graduate Associate

Rutgers University-New Brunswick, B.A. Economics, minors in mathematics and English   2017

    B.A., Economics, minors in math and English
    Senior thesis: "An Investigation of Uber Entry on Arrest Rates" under Professor Anne Piehl

Academic Honors and Awards

Paul Robeson Scholar
Phi Beta Kappa
Omicron Delta Epsilon (Economics Honors Society)

Relevant Professional Experience

Princeton University's Data-Driven Social Science Initiative   Princeton, NJ
Graduate Fellow in Social Data Science   January 2023-present

- Advise on computationally intensive, methodologically advanced, and technically innovative skills to researchers in the social sciences at Princeton focused on geospatial analysis, text mining, and machine learning
- Offer office hours during the semester
- Organize and promote DDSS informal social events, discussion groups, and seminars
- Attend Fellows meetings to provide updates on research projects, relay common consultation requests, and propose novel ideas for advancing the mission of the DDSSI

Federal Reserve Board, Division of Consumer and Community Affairs   Washington, DC
Data Scientist   2019-2022

- Lead the development of an R Shiny dashboard to visualize place-based disparities in economic conditions using credit, employment, and housing data
- Combine mortgage, geographic, and demographic data to visualize changes and trends in small dollar mortgage lending; visualize results in an R Shiny dashboard, summarise analysis in accompanying memo, and present results to division leadership
- Develop a custom R package to automate data cleaning and production of 70+ tables and charts for the annual Survey of Household Economics and Decisionmaking (SHED)
- Conduct independent research on bank branch closures during COVID-19 and publish analysis as a FedsNote
- Serve as lead author for a memo to division director summarizing results from 4 key workstreams analyzing how renters are faring during the pandemic

• Received the Spot Award for recognition of excellent service

Research Assistant   2017-2019

• Work closely with economists to conduct geospatial analysis of millions of mortgage loans to support Community Reinvestment Act Modernization efforts; present results to policy-makers and assist with memo writing

• Work with research team to develop and field the annual Survey of Household Economics and Decisionmaking (SHED) to inform the Board of financial conditions of U.S. households with a specific focus on low- and moderate-income households

• Update and add new analysis to the Student Loans chapter of the 2019 SHED report on carrying student loan debt and financial wellbeing

• Assist economists with research projects on topics in labor economics and consumer credit by managing and writing code, implementing analyses in Stata and R, and honing research questions

• Conduct independent research using text analytics, natural language processing, and machine learning techniques to analyze and extract information from over 10,000 open-ended survey responses using R and python; summarized results in 2018 SHED report and presented at internal and external events

Publications

RESEARCH NOTES AND ARTICLES
"Bank Branches and COVID-19: Where are Banks closing Branches during the Pandemic?" FEDS Notes. 2021. (link)

"How Much Could U.S. States Gain by closing Racial and Gender Gaps in the Labor Market?" with Bina Shrimali, Naomi Cytron, Vanessa Palmer, Eileen Divringi, Nisha Sutaria, Tyler Boesch, KimEng Ky, and Ana Kent. Feds Communities Post. 2021. (link)

"Shedding Light on Our Economic and Financial Lives," with Alex Durante, Jeff Larrimore, Ellen Merry, Christina Park, and Claudia Sahm. FEDS Notes. 2018. (link)

CONTRIBUTIONS TO GOVERNMENT REPORTS
"Report on the Economic Well-Being of U.S. Households in 2019, Featuring Supplemental Data from April 2020." Board of Governors of the Federal Reserve System. 2020.

"Report on the Economic Well-Being of U.S. Households in 2018." Board of Governors of the Federal Reserve System. 2019.

"Report on the Economic Well-Being of U.S. Households in 2017." Board of Governors of the Federal Reserve System. 2018.

Conference Presentations and Speaking Events

"Small Dollar Mortgages: Increasing Affordable Housing Options for Lower-Income House-holds." Speaking Event. FedTalk, Federal Reserve Bank of Cleveland. July 2022.

Data in Government Panel. Speaking Event. Data Community DC. May 2021.

"SHED-ing Light on Survey Data: Usuing R to Automate Production Processes in the Survey of Household Economics and Decisionmaking." DC R Conference. November 2019. [slides.]

"Asking Consumers about their Finances." Bureau of Labor Statistics, Government Advances in Statistical Programming Workshop. September 2019. [slides.]

"An Analysis of Open-ended Repsonses in the Survey of Household Economics and Decision-making". Federal Reserve Board, Data Schowcase. November 2018.

Technical Skills

Software & Tools   R, R Shiny, Stata, Git, Tableau, SQL, SAS, GIS
Programming Languages   Python, Java

Professional Service

Coding it Forward, Mentor   6/2022-8/2022

- Coding it Forward pairs experienced technologists with early career-technologists so they can receive 1-1 professional support
- Have regular check-ins with mentee to provide guidance on data science careers in government, internship project, and professional development

Federal Reserve Board and Howard University   2018-2022
Data Analysis with R (ECON181), Project Committee Co-Lead, Lecturer, Teaching Assistant

- Recruit Board economists to serve as project advisors to ECON181 students and help refine research proposals, data sources, and methods
- Develop 6 project homework assignments, prepare and give lectures, grade homework, and assist students with programming questions through office hours and as a class teaching assistant

Federal Reserve Board   2020-2022
Use-R Group, Core Member

- Work with other core members of the Use-R group to organize brownbags, trainings, and learning resources for programming in R

Rutgers University   2/2020-8/2020
Road to Government, Policy, and Service Program, Mentor

- The Road to Government, Policy, and Service Program pairs undergraduates with RU alumni for 1:1 mentoring to help explore career interests and develop skills
- Have weekly calls with mentee to learn about career interests and provide insight and career support
- Discuss career options and interests, advise on navigating college experience, and help with interview prep

Professional Affiliations

American Statistical Association (ASA)   2018-present
Association for Public Policy Analysis and Management   2021-present