

# KIMBERLY M. KREISS

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## EDUCATION

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**Rutgers University-New Brunswick**

*May 2017*

B.A. in Economics, *Cum Laude*

New Brunswick, NJ

Minors in Mathematics and English

Senior Honors Thesis: “An Investigation of Uber Entry on Arrest Rates” under Professor Anne Piehl

## HONORS & AWARDS

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Phi Beta Kappa

Omicron Delta Epsilon (Economics Honors Society)

Paul Robeson Scholar

Departmental High Honors in Economics

## EXPERIENCE

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Federal Reserve Board of Governors

October 2020 - Present

*Data Scientist, Division of Consumer and Community Affairs*

*Washington, DC*

- Work with team to produce analysis and update data dashboard to monitor conditions for low- and moderate-income consumers and communities using credit, employment and housing data
- Design a dashboard using R Shiny to visualize changes and trends in small dollar mortgage lending, summarise analysis in accompanying memo, and present results to key leadership and stakeholders
- Lead the development of an R package to easily analyze and prepare data from the annual Survey of Household Economics and Decisionmaking (SHED)

Federal Reserve Board of Governors

January 2020 - October 2020

*Analyst, Division of Consumer and Community Affairs*

*Washington, DC*

- Work with leadership and colleagues across the Federal Reserve System as lead author for memo to inform leadership of conditions for consumers and communities in response to COVID-19
- Project manager for the Community Development Profiles which combines 30+ economic, geographic, and consumer datasets to monitor conditions in communities around the country
- Update report to write Student Loans chapter of annual SHED report, including adding an additional analysis on carrying student loan debt and financial wellbeing

Federal Reserve Board of Governors

October 2017 - December 2019

*Senior Research Assistant, Division of Consumer and Community Affairs*

*Washington, DC*

- Work with research team to develop questionnaire and report for the SHED to inform the Board of financial conditions of U.S. households with a focus on low- and moderate-income households
- Wrote box in the SHED report analyzing determinants of financial wellbeing by using text mining, natural language processing and machine learning techniques in R and python to extract information from over 10,000 open-ended responses
- Lead data analyst to support policy decisions around the Community Reinvestment Act Modernization efforts by working closely with economists, policy team, and leadership
- Combine geographic, economic, and mortgage data to create interactive Tableau dashboards to visualize mortgage lending patterns in relation to branch locations
- Conduct research with economists on topics such as the relationship between places with many credit constrained borrowers and pace of economic recovery using the Equifax Consumer Credit Panel

## TECHNICAL SKILLS

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<b>Software &amp; Tools</b>	R, Stata, Git, SQL, SAS
<b>Programming Languages</b>	Python, Java
<b>Markup</b>	LaTeX, Markdown

## PRESENTATIONS AND RESEARCH

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<b>Presentations</b>	“SHED-ing Light on Survey Data: Using R to Automate Production Processes in the Survey of Household Economics and Decisionmaking.” Presentation, DC R Conference. November 2019.
	“Asking Consumers about their Finances.” Presentation, Government Advances in Statistical Programming, BLS. September 2019.
	“An Analysis of Open-ended Responses in the Survey of Household Economics and Decisionmaking.” Presentation, Data Showcase, FRB. December 2018.

## PROFESSIONAL SERVICE

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Federal Reserve Board of Governors and Howard University <i>Project Committee Co-Lead, Data Analysis with R</i>	January 2018 - Present <i>Washington, DC</i>
<ul style="list-style-type: none"><li>• Recruit economists from the Board to work with students as advisers on the semester-long project</li><li>• Work with team to review project proposals and help develop research questions, data sources, and methods</li><li>• Prepare and give lectures, grade homework, and respond to feedback from students and attend office hours weekly to assist students with programming issues and questions</li></ul>	
Rutgers University <i>Mentor, Road to Government, Policy, and Service Program</i>	February 2020-August 2020 <i>Washington, DC</i>
<ul style="list-style-type: none"><li>• Selected as a mentor in the Road to Government, Policy, and Service Program, which pairs undergraduates with alumni for 1:1 mentoring to help explore career interests and develop skills</li><li>• Have weekly calls with mentee to learn about career interests and provide insight and support for careers in government and policy</li></ul>	

## PROFESSIONAL AFFILIATIONS

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Member, American Statistical Association	April 2019 - Present
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## PROFESSIONAL DEVELOPMENT AND TRAINING

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**The Data Incubator**, Introduction to Machine Learning (python)  
**District Data Labs**, Introduction to Python, Data Wrangling and Analysis, Natural Language Processing  
**Learning Tree International**, Advanced Programming in R  
**The Carpentries**, Software Carpentry with R  
**PSS Summer School**, Immersion in R (3 week internal course)  
**General Assembly**, Natural Language Processing Workshop (python)  
**The Urban Institute**, Data Visualization Workshop