

# NATALIE O'SHEA

## WORK EXPERIENCE

2022-  
Present

### Analytics Consultant

BetterUp

📍 Remote

- Lead developer of a production-quality Shiny app that automates the generation of business review decks populated with data insights and professional-grade visualizations (estimated base \$1.15M annual time cost savings for the sales team)
- Consulting on data architecture decisions that heavily influence the scalability of our unique data insights on individual and organizational transformation for members and partners
- Led a cross-functional procurement effort to standardize the tooling used by R and Python users across the organization and streamline the sharing of custom data products with less technical stakeholders to ensure data-informed decision-making internally and for our partner organizations
- Cultivated an inclusive community of practice for R developers that fosters interdepartmental collaboration

2021

### Data Visualization Analyst

Edmentum

📍 Remote

- Created custom visualizations (R/ggplot2, Adobe Illustrator) to increase the impact of our research and help communicate complex topics to multiple audiences with varying levels of specialized knowledge (layperson to expert)
- Cultivated spaces for meaningful interdepartmental dialogue and collaboration to ensure human-centered design of data products produced by research team
- Collaborated with team members across research, data science, software engineering, and UI/UX design on in-product data visualizations that are used by thousands of educators and administrators across the country
- Developed data visualization style guide to ensure consistency and brand coherence in research communications
- Developed PowerBI dashboards with automated deployment pipeline (CI/CD)
- Experience with cloud computing (AWS, Databricks, sparklyR) and a scaled agile workflow

2020-  
2021

### Data Visualization Specialist

NYC Health + Hospitals (Test and Trace Corps)

📍 New York, NY

- Performed spatial analyses on COVID-19 testing accessibility and capacity to help inform an equitable testing resource deployment strategy for New York City's pandemic response
- Developed data visualization pipelines and reports with high-quality graphics as part of the Data and Product Team for NYC's COVID-19 Test and Trace Corps

## CONTACT INFO

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## SKILLS

### Programming

R · Shiny · Python · SQL ·  
JavaScript · HTML/CSS

### Research

Data collection · Statistical  
modeling · Literature review

### Project Management

GitHub · Agile · JIRA · Confluence

### Other

Consulting · Communication ·  
Cross-functional collaboration

- 2020 ● **Community Outreach Data Analyst**  
 NYC Census 2020 📍 New York, NY
- Lead developer of an internal data dashboard (using R, Shiny, and Leaflet) used to track and map census response rates and outreach efforts (texting, phone-banking, and in-person field outreach initiatives) across the city
  - Developed statistical models to evaluate the effectiveness of our outreach efforts using US Census Bureau, VAN, Hustle, and ad vendor data
  - Generated weekly interactive reports to present to internal and external stakeholders
- 2019-2020 ● **Digital Fellow**  
 GC Digital Initiatives 📍 New York, NY
- Lead fellow for the Data for Public Good project, a public-interest data science collaboration among an interdisciplinary group of graduate students
  - Taught R workshops on data wrangling and visualization
  - Co-developer of the workr package, which houses interactive tutorials of the R workshops taught at the Graduate Center



## EDUCATION

- 2022 ● **The Recurse Center**  
 Self-Directed Coding Retreat (#NeverGraduate) 📍 New York, NY
- 2020 ● **The Graduate Center, CUNY**  
 PhD (ABD) in Biological Anthropology 📍 New York, NY
- 2018 ● **The Graduate Center, CUNY**  
 MPhil in Biological Anthropology 📍 New York, NY
- 2014 ● **University of Iowa**  
 BS in Anthropology 📍 Iowa City, IA