

BENJAMIN M. GRAMZA

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WORK EXPERIENCE

ICF

April 2021 - April 2023

Survey Research Data Processing Programmer – Remote – 40 hr/wk

- Quality Control and checked skip pattern logic for over 50 unique surveys
- Created custom reports and deliverables for over 20 surveys using SAS in a Linux environment
- Programmed a script in R that imports a formatted Word document survey and outputs a custom program to QC that survey. Received a "Ruby" internal award for my work on this project.
- Received three internal awards for excellence and timeliness of data processing work on CDC's Youth Risk Behavioral Survey
- Wrangled email paradata into a LASSO-model friendly format using a combination of Python and R.
- Effectively communicated with programmers and project managers to resolve errors in live surveys

Bowling Green State University

May 2020 - December 2020

COVID-19 Researcher – Bowling Green, OH

- Investigated the feasibility of using large volume geolocation data as a proxy for weighted survey responses
- Created interactive time-series visualizations using R Shiny
- Cleaned, processed, and reweighted high-dimensional survey data using R and dplyr

Bowling Green State University

August 2019 - December 2020

Graduate Teaching Instructor – Bowling Green, OH – 20 hr/wk

- Independent Instructor for 6 'Intro to Statistics' and 'College Algebra' courses, each with 25+ students
- Successfully transitioned coursework from in-class to remote format during the COVID-19 pandemic
- Responsible for creating exams, organizing lecture materials, and grading all assignments

Metric Gerrymandering and Geometry Group

June 2019 - August 2019

Voting Rights Data Institute Fellow – Boston, MA – 30 hr/wk

- Attacked real-world issues such as partisan and racial gerrymandering using mathematics
- Employed ecological inference to determine whether a district's votes were racially polarized
- Programmed a function in R that combined maps of various resolutions to create unique districting plans

American Modern Insurance Group

May 2018 - November 2018

Digital and Innovations Intern – Cincinnati, OH – 40 hr/wk

- Collaborated with other interns to investigate the profitability of a novel product idea
- Analyzed data using Excel and constructed a report to determine if a product was a necessary buy
- Created template pricing spreadsheet that inputted a customers information and outputted a quote

TECHNICAL STRENGTHS

Data Analysis | Quality Control | Visualization | Wrangling | Modeling | Presenting | Web Scraping
R | SAS | Excel | Python | Linux | Windows | Word | R Markdown | Github | GGPlot2 | LaTeX

EDUCATION

Bowling Green State University

August 2019 - December 2020

MA in Mathematics with a specialization in Statistics

Bowling Green, OH

Overall GPA: 3.8/4

University of Cincinnati

August 2016 - April 2019

BS in Mathematics with a specialization in Statistics/Actuarial Sciences

Cincinnati, OH

Overall GPA: 3.5/4