

# BENJAMIN M. GRAMZA

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## WORK EXPERIENCE

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### 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

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

## EDUCATION

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### Bowling Green State University

August 2019 - December 2020

Master of Arts - Mathematics (Statistics)

Bowling Green, OH

Overall GPA: 3.8/4

### University of Cincinnati

August 2016 - April 2019

Bachelor in Mathematics (Statistics/Actuarial Science)

Cincinnati, OH

Overall GPA: 3.5/4