

# REI BERTOLDI

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## EDUCATION

**University of Chicago, Harris School of Public Policy**

June 2020

*Master of Public Policy*

Certificates in Data Analytics and Energy & Environmental Policy

**University of California, Davis**

*Bachelor of Arts in Science & Technology Studies*

June 2016

## SKILLS

- R, Python, Stata, QGIS, GeoDa, Salesforce, Git
- Causal analysis, multivariate regression analysis, multi-level regression modeling, longitudinal data analysis, spatial regression analysis, program evaluation

## EXPERIENCE

**DATA & IMPACT MANAGER, Clean Vehicle Assistance Program** – Oakland, CA

11/2020 – Present

- Creates ETL processes to clean and manage program data
- Performs data analytics for program evaluation and reporting
- Develops and measures program key performance indicators and equity metrics

**TEACHING ASSISTANT, University of Chicago** – Chicago, IL

02/2020 – 06/2020

- Teaching assistant for Data and Programming for Public Policy in R
- Collaborated on effectively transitioning the course to remote learning

**CODING LAB AND R BAR INSTRUCTOR, University of Chicago** – Chicago, IL

08/2019 – 12/2019

- Developed curriculum on the foundations of programming and data analysis in R
- Instructed an incoming class of over 500 graduate students
- Prepared students without prior coding experience for the required Statistics for Data Analysis sequence
- Led weekly student coding workshops and provided individual coding support

**RESEARCH ASSISTANT, University of Chicago** – Chicago, IL

07/2019 – 09/2019

- Replicated statistical analysis of prior literature and reconciled results with novel lab data
- Created and updated data visualizations including paper's key and index plots
- Expanded functionality of existing research code to generate output statistics and plots for various input thresholds

**VOLUNTEER, Chicago Community Bond Fund** – Chicago, IL

03/2019 – 09/2019

- Created ETL processes to clean and merge FOIA requested Illinois jail data from 17 counties
- Identified and created trend plots and summary statistics for a report for Illinois bond reform advocates

## PROJECTS

**Predicting Levels of Ambient Fine Particulate**

- Built a neural network in Python using the Keras API to predict insufficient or missing PM2.5 data

**Measuring the Impacts of Income on Wind Turbine Locations**

- Built a spatial lag regression model to analyze the effects of income on wind turbine locations in the U.S.

**Visualizing Crime at Chicago Transit Authority (CTA) Stops**

- Animated crime incidents at CTA stops over time using R's sf package

**Web Scraping California Energy Production Data**

- Web scraped California Energy Commission data to explore energy production in California