Joel Bray

Tempe, AZ
pronouns: they/them/their

360-704-0752   bray.joel@gmail.com   joelbray.github.io   github.com/joelbray   linkedin.com/in/joel-bray

Professional Summary

- Curious, people-oriented, and data-driven leader with political and scientific experience in data management, data visualization, data analytics, and statistics using R and SQL

- Adept project manager and cross-functional communicator, having worked collaboratively to evaluate and advise state voter contact programs, publish 9 research projects, and explain complex and technical subjects to political organizers, K-12 and university students, and incarcerated people

- Dedicated organizer with political and labor experience (Obama '08; Bernie '20; Arizona '20 General Election; Georgia '21 Senate Runoff; Emergency Workplace Organizing Committee)

Work Experience

Arizona Data Director, *Mi Familia Vota*   Phoenix, AZ, Aug 2020 – Present

- Strong cross-functional collaborator, as demonstrated by coordination with senior staff and state table partners to evaluate and advise a multimodal voter contact program that registered 14.9K people and contacted over 75K unique voters

- Creative data analyst with experience building pipelines between Civis, Google BigQuery, Sisense/Periscope, Google Sheets, and Google Data Studio to examine voter contact and census data and create dashboards to track and highlight program metrics

- Accomplished researcher, as evidenced by the design and analysis of two randomized controlled trials examining the effectiveness of a voter guide and bilingual mailer on turnout among 200K people, predominantly people of color and young voters

- Methodical data manager with experience overseeing VAN, EveryAction, Phone2Action, ThruTalk, and ThruText, and training 22 canvassing leads and community organizing staff to observe data protocols and best practices

Data Science Expertise   Tempe, AZ, Aug 2014 – Mar 2021
as an NSF Graduate Research Fellow, Arizona State University

- Detail-oriented data analyst with experience in R and SQL, which were used to clean, wrangle, and analyze 86 combined years of longitudinal data on wild chimpanzees across 2 study populations and 6 research projects

- Adaptable researcher with project management skills (e.g. leadership, budgeting, task & time management), resulting in 9 scientific publications with 25+ collaborators

- Strong written communication skills with experience following technical requirements as demonstrated by acquiring $153,000.00 in competitive national research grants and fellowships

Lab Manager, *Duke University* Durham, NC, Aug 2013 – July 2014

- Innovative problem-solver with expertise in observational and experimental research methods, resulting in 2 publications on primate sleep using accelerometers and infrared videography

- Effective data manager, as evidenced by the design and construction of a MySQL relational database that met National Science Foundation grant milestones; also supervised and trained 8 research assistants on data collection and management protocols

Volunteer Experience

Data Team Lead, *Emergency Workplace Organizing Committee* Remote, May 2020 – Present

- Strong management and communication skills, which I have used to lead a transition from Google Sheets to Airtable in coordination with staff, labor organizers, and other data team members

- Implemented advanced data workflows in Google Sheets to track workers and workplace campaigns

Bernie Victory Captain, *Bernie Sanders for President* Tempe, AZ, Feb – April 2020
Campaign Intern, *Obama for America* Olympia, WA, June – Nov 2008

- Independent self-starter with experience hosting 13 door-to-door canvasses and phone banks as part of a distributed field organizing team

- Motivated organizer with strong technical literacy and verbal communications skills, which were honed while recruiting and training 75+ volunteers using Mobilize, MiniVAN, and ThruTalk

- Excellent teamwork and interpersonal skills developed while mentoring 3 interns and training 300+ volunteers to canvass and phone bank in both 1:1 and large group settings

Technical Skills, Tools, and Languages

- R (tidyverse, ggplot2, lme4, rethinking, censusapi, choroplethr, Markdown)
- SQL
- Statistics (predictive models; linear, logistic, and ordinal regression; multilevel models; frequentist & Bayesian inference)

- NGP VAN & EveryAction
- Google Suite (incl. Sheets)
- Microsoft Office (incl. Excel)
- Sisense/Periscope
- Google Data Studio

- Google BigQuery
- Civis Platform
- GitHub
- Airtable
- QGIS

Training

Arena Academy, Data Track 2021
- A five-day intensive program focused on progressive campaign strategy and data

Generation Data
- A two-week progressive data program focused on data tools and racial equity 2020

Education

Ph.D. in Anthropology, Arizona State University Spring 2021

B.S. in Evolutionary Anthropology, Duke University 2013