

Charlotte McClintock

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check out my portfolio of work at: charlottesmcclintock.github.io | github: [@charlottesmcclintock](https://github.com/charlottesmcclintock)

WORK EXPERIENCE

Data & Analytics Associate, The Climate Reality Project

Mar 2020 – present

- Leveraged Climate Reality's data resources and tools to offer ways to improve program performance among supporters, action takers, and the general public, including producing compelling and informative reports for fellow staff members of all levels to inform programmatic decision-making.
- Designed, implemented, and managed analysis projects using a variety of methodological approaches: from basic descriptive statistics on the performance of a training to network analysis of user activity on a community platform and factor analysis to identify archetypes for a digital ladder of engagement.
- Led voter file integration and analysis and voter registration targeting for 2020 election outreach.
- Identified opportunities for useful data segmentation, including geographical analysis and tracking metrics, and assisted with development, maintenance, and enhancement of the organization's data framework and reporting.

Project Lead & Research Associate, CommPAS Lab

Dec 2018 – May 2020

- Created partnership with local homelessness coalition to use administrative data and quantitative analysis tools to understand racial disparities in the lived experience of homelessness and in the provision of homelessness services, also evaluated a widely used assessment for validity and reliability.
- Wrote MOU, planned & executed analysis, and worked closely with service providers to communicate and contextualize research findings in report. Project supported as a pilot for the Equity Atlas grant to build data capacity in community partners in service of equity and justice in the Charlottesville region.
- Also actively developing an interactive web application of regional equity indicators to move from 'open data' as a state to 'opening data' as a process when we consider public accessibility of information. Link in portfolio.

Lead Researcher & Project Manager, Public Interest Data Lab

Jan 2018 – May 2020

- Analyzed highly sensitive foster care data in a secure environment, modeled racial disparity in outcomes, created visualizations of racial disproportionality, and communicated findings to the Charlottesville Department of Social Services, delivered two reports which directly created policy changes to improve equity among children interacting with the child welfare system.
- Co-lead a class engaging students in public interest data science work informed by equity and justice.

OTHER RELEVANT RESEARCH EXPERIENCE

Project Lead, Data for Democracy x ACLU of Colorado

Dec 2018 – Mar 2020

- Initiated a project based on a recently released incarceration data set, recruited a 30-person volunteer team, created partnership with Colorado ACLU to support bail reform efforts with analysis of data from open records requests.
- Co-created and piloted an ethical assessment framework for applied data projects based on the Global Data Ethics Project principles in partnership with a data ethicist.
- Provided testimony in support of HB 19-1297 to improve and standardize the collection of criminal justice data, which later passed into law and has been implemented across the state.
- Analyzed data from a 90 day court watch project to evaluate judicial practices in Denver & Aurora, focusing on the assignment of cash bail or release on personal recognizance.

EDUCATION

University of Virginia

2019 & 2020 (3+1 BA & MA)

B.A. in Statistical Analysis of Social Behavior

M.A. in Research Methods in Psychology

thesis research: Assessing Vulnerability in Homeless Individuals & Families: An Application of Factor Analysis & Item Response Theory

TECHNICAL SKILLS

confident in: R (20,000+ lines written)

proficient in: git & GitHub, web apps in plotly & R Shiny, design in HTML & CSS, reports in LaTeX, Salesforce

skillsets: data management & cleaning, statistical analysis & machine learning, study design & research processes, visualization & communication of data insights to technical and non-technical audiences.