BENJAMIN HOWARD BELLMAN (he/him)

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EDUCATION:

Brown University

2020 **Ph.D.** Sociology
Graduate Certificate in Spatial Analysis
2016 **M.A.** Sociology

University of Colorado–Boulder

2014 **B.A.** Geography
English (Creative Writing)
Summa Cum Laude

DATA AND COMPUTING SKILLS:

Processing • Modeling • Visualization • Communication • GIS • Spatial Analysis • Software Development

R ★★★★★ Python ★★★☆☆ SQL ★★★★☆ Unix ★★☆☆☆

RESEARCH EXPERTISE:

Race and Ethnicity • Residential Segregation • Human Migration • Geodemographics • Urban Systems

Housing and Transportation • Social Equity • Public Safety • Historical Maps and Data • Soccer Analytics

WORK EXPERIENCE:

Boulder County – Community Justice Services

Senior Data Analyst — August 2023 – Present
Research Analyst/Data Technician — August 2020 – July 2023

- Deliver insights for CJS leadership through data analysis and provide expert advice on data systems, social measurement, and statistical practices
- Build and maintain self-service data reporting tools, including data visualizations, dashboards, and reports used for a range of business processes
- Foster a culture at CJS that values data for business efficiency and achieving ideal and equitable outcomes
- Generate ad hoc data extracts and visualizations by CJS staff request for ongoing research projects, including internal studies, collaborations or requests by system partners, and external partnerships

Colorado Rapids Soccer Club

Associate Data Analyst — January 2022 – December 2022

- Provided ad hoc data analysis and engineering services on a part-time contract basis

Brown University – Population Studies & Training Center

Research Associate — June 2015 – July 2020

- Analyzed raw restricted data about millions of Americans in Federal Statistical Research Data Centers
- Developed machine learning model to link millions of historical census records over time by household
  - Applied to Philadelphia (1910–1940) to analyze residential change in dissertation project
  - Developed shiny application to construct training data accurately and efficiently
- Designed methods and algorithms for constructing high-quality, detailed, and historically accurate GIS databases for 69 cities that locate individual census records within urban street networks