Matt Herman

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EDUCATION

City University of New York, Hunter College New York, NY
Master of Science in Applied Social Research May 2018

Columbia University, Columbia College New York, NY
Bachelor of Arts in American Studies May 2006

EXPERIENCE

NYC Administration for Children's Services New York, NY
Senior Analyst, ChildStat Data January 2019 – Present

- Generate outcome measures and performance indicators for investigations of child abuse and neglect from internal administrative databases
- Develop an automated and reproducible workflow to query databases, aggregate and summarize metrics, and create HTML and PDF dashboards, reports, and presentations
- Collaborate with managers of frontline child protection staff to interpret data in order to create actionable quality improvement plans and assess the impact of these plans

Center for Innovation through Data Intelligence, Office of the Mayor New York, NY
Research Intern June 2017 – June 2018

- Developed predictive model to identify individuals at risk of becoming homeless using natural language processing and machine learning tools
- Matched individual-level data across multiple NYC administrative databases

Measure of America Brooklyn, NY
Data Analysis Intern Jan 2017 – June 2017

- Obtained, cleaned, and analyzed large public datasets including the American Community Survey
- Created maps, graphs, and charts of demographic, economic, and health indicators

StoryCorps Brooklyn, NY
Door-to-Door Facilitator Nov 2008 – Sept 2011

- Conducted interviews for one of the largest American oral history projects
- Collected, processed, and archived interview materials to be cataloged by the Library of Congress, including audio files, photographs, and demographic data

Development Associate May 2007 – Nov 2008

- Managed individual giving programs through targeted communications
- Prepared grant proposals and reports for foundation and government funders

SKILLS

Proficient with R, SQL, ArcGIS; Familiar with machine learning, statistical modeling, natural language processing, QGIS, Stata, SPSS, Git/GitHub, cloud-based databases; Conversational Spanish