

Position: Data Scientist
Location: Chicago, IL
Desired Start Date: ASAP

Who We Are

By 2050, the global urban population will nearly double to 6.4 billion. This unprecedented growth in the global urban population creates incredible opportunities but also intensifies the most difficult problems cities face, such as concentrated poverty, crime, poor-quality schooling, and pollution. The University of Chicago founded Urban Labs to help address these challenges. Urban Labs is a set of highly synergistic labs focused on undertaking inquiry and having impact on five essential dimensions of urban life: *crime, education, health, poverty, and energy & environment*. Urban Labs partners with cities to identify and rigorously evaluate the policies and programs with the greatest potential to improve human lives at scale. Urban Labs' evidence-based approach gives policymakers and practitioners the knowledge they need to effectively achieve the greatest social good per dollar spent.

In sum, UChicago Urban Labs:

- Identifies promising solutions to urban challenges
- Tests the most promising urban policies and programs
- Scales-up the most effective and cost-efficient policies and programs

For more information about the UChicago Urban Labs, go to <http://urbanlabs.uchicago.edu/>

The Role

The University of Chicago Crime Lab is seeking a Data Scientist to work on social science research projects designed to test the effectiveness of predictive models. The position offers the opportunity to work directly with leading social policy researchers, at the University of Chicago and NYC-area universities, local city agency staff, as well as a team of administrative staff, research managers, analysts, and student research assistants. The Data Scientist will be working directly with faculty director, Jens Ludwig, and faculty affiliate, Sendhil Mullainathan from Harvard University.

Duties and Responsibilities:

- Under the guidance of the faculty director contributes to the design, implementation, and evaluation of predictive models that draw on disciplines such as machine learning, natural language processing, and social network analysis and which require entity disambiguation and the merging of large datasets.
- Builds and maintains strong relationships with researchers working on machine learning and all participating partner organizations, government agencies, nonprofits, and other relevant stakeholders.
- Prepares project memos, summaries, presentations, manuscripts, and other work for dissemination targeting policymakers, academic researchers, and other stakeholders.

Education

Bachelor's degree in computer science, statistics, economics or a closely related field required; master's degree preferred.

Experience

A minimum of two years related work experience (may be part-time) required.

Experience with statistical data analysis using Python, R, Stata, SQL, C++, and/or Java strongly preferred.

Experience working with large and complex datasets strongly preferred.

Competencies

Strong interpersonal skills and ability to maintain positive relationships with various stakeholders required.

Strong initiative and a resourceful approach to problem solving and learning required.

Ability to work independently and as part of a team in a fast-paced environment required.

Sound critical thinking skills required.

Strong attention to detail with superb analytical and organization skills required.

Excellent written and verbal communication skills, with the ability to present data in a simple and straightforward way for non-technical audiences required.

Knowledge and understanding of crime policy and violence research literature strongly preferred.

To Apply:

Submit resume, cover letter, writing sample, and transcripts to <https://jobopportunities.uchicago.edu>, requisition **103148**.

The University of Chicago is an Affirmative Action/Equal Opportunity Employer.