

Urban Labs Title: Data Science (Summer Internship)**Who We Are:**

Crime Lab New York seeks to improve our understanding of how to reduce crime and violence by helping government agencies and non-profit organizations rigorously evaluate promising policies and interventions to make them as informative as possible. We do this in a variety of ways. Our team is developing a portfolio of randomized controlled trials (RCTs) to generate new evidence about what works, for whom, and why, and to conduct benefit-cost analyses of different interventions to enable policymakers to prioritize resources for the combination of strategies that achieve the greatest social good per dollar spent. Crime Lab New York also develops predictive tools that leverage insights from computer science and machine learning to better allocate resources city-wide. We evaluate ways to help make the criminal justice system more effective and fair, while also identifying tools from social policy, education, and behavioral economics to prevent crime from happening in the first place and to improve outcomes for the most disadvantaged populations.

Located in downtown New York City close to City Hall, Crime Lab New York also provides extensive pro bono technical assistance to government agencies looking for rigorous data analysis and research support. The nature of our work as partners with city agencies requires adjusting to the pace of policymakers' work. Although this way of working is atypical for most research organizations, it gives us an unprecedented opportunity to partner with policymakers to help them maximize the positive impact of policies and programs that can improve lives. Crime Lab New York is part of the University of Chicago's Urban Labs, 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.

To learn more about Crime Lab New York, visit: <https://urbanlabs.uchicago.edu/labs/crime-new-york>.

The Role:

This data science internship is an opportunity to work closely with a research team on public policy problems of critical importance to our New York City partners. Our organization's mission is 'science in service of cities', and we do this by building, testing, and scaling programs to support the most vulnerable New Yorkers. As a data science intern, you would work closely with our research team on building, implementing, and evaluating predictive models. Beyond the data, you would need to explore the real world context that underpins our work, including existing social policies to guide the research efforts, and you might also help prepare work products for dissemination (report formatting and writing). This internship is a full-time opportunity during the summer (generally 10 weeks), and it is a great opportunity to see how predictive analytics impact public policy, to gain a deeper understating of policy research, and to develop research skills.

Responsibilities:

- Collecting and organizing different datasets
- Deriving summary statistics of those datasets
- Helping to implement machine learning models

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- Explore existing social policies to guide the research efforts

Competencies:

- Strong attention to detail with good organization skills required
- Self-motivated; ability to work independently and manage ongoing tasks on tight timelines
- Responsive to email
- Strong oral and written communication skills
- Ability to work well with research teams in a collaborative environment

Education:

- Coursework in computer science, statistics, applied mathematics, or a related field required

Technical Knowledge or Skills:

- Intermediate statistical data analysis skills, with the ability to use Python or R, are strongly preferred
- Interest in and aptitude for developing advanced programming and analytic skills for working with administrative data
- Experience with collecting data from public APIs and working with messy data sets is a plus
- Experience or knowledge of urban policy/criminal justice issues a plus

To Apply: please submit a resume and cover letter to specific Lab(s) of interest. Learn more about each Lab on our Urban Labs website.

- Crime Lab New York: **JR03823**

Learn more about each of our labs at our website: <https://urbanlabs.uchicago.edu>

If you have questions about the Workday application system, please contact:

https://uchicago.service-now.com/sso?id=ssc_sc_cat_item&sys_id=cf359d671316660030c0bc0bcaf3244b02d.

If you have an active UChicago Workday employee account, you will need to complete the Internal Candidate application process. Internal Candidate instructions: [Log into Workday](#) and select the career worklet.

External Candidates should apply to the specific Lab(s) at <https://uchicago.wd5.myworkdayjobs.com/en-US/External>

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