

Job Title: Data Scientist
Location: New York, New York
Terms of Assignment: Full-time
Projected Start Date: Summer 2019

Job Summary:

Crime Lab New York is seeking a data scientist to work on our portfolio of projects applying statistical inference, econometrics, and machine learning to pressing challenges in public policy and criminal justice. We're seeking a smart, motivated, and detail-oriented person who is qualified to work on all aspects of a project – ranging from raw data cleaning and basic descriptive analysis to developing predictive models and helping create presentation and written materials on our results. The ideal candidate will have strong interest or experience in using their skills to address key problems in public and social policy. The data scientist will collaborate closely with PhD-level economists and computer scientists, as well as the broader CLNY team. This position offers the opportunity to work directly with leading researchers and policy-makers on projects with immediate real-world impact for the lives of New Yorkers.

Responsibilities:

- Contributes to the design and implementation of an efficient and reproducible data processing pipeline
- Builds and rigorously evaluates statistical models using best practices of machine learning and statistical inference
- Works with partners and members of the research team to propose and implement analytical approaches to solving specific research questions
- Cleans, transforms, merges, and matches between large and complex research and administrative datasets
- Prepares project memos, summaries, presentations, reports, and other work products for dissemination targeting policymakers, academic researchers, and other stakeholders, as needed

Competencies:

- Advanced knowledge of machine learning. The ideal candidate would also have exposure – and excitement to learn about – econometrics and causal inference.
- Strong interpersonal skills
- Strong initiative and a resourceful approach to problem solving and learning
- Ability to work independently and as part of a team in a fast-paced environment
- Sound critical thinking skills
- Strong attention to detail with superb analytical and organization skills
- Excellent written and verbal communication skills, with the ability to present data in a simple and straightforward way for non-technical audiences

Education, Experience, and Certifications:

- Bachelor's or master's degree in computer science, statistics, data science, economics or a closely related field

Technical Knowledge or Skills:

- Proficiency with statistical data analysis using Python or R is required; ability to work in both is preferred

Required Documents:

- Resume
- Cover letter
- A sample of data work, such as a final report for a class project, link to a GitHub repo, or blog post

About Crime Lab New York:

Crime Lab New York (CLNY) is an independent, non-profit research center of the University of Chicago. We gather experts from around the nation, spanning disciplines, to develop data-driven approaches and generate rigorous, objective, scientific evidence about what works in reducing crime and addressing critical problems facing society. We partner with city agencies, civic organizations and others to use data to identify, develop and evaluate interventions that can be measured and replicated. Our work employs innovations in natural experimentation, randomized controlled trials, behavioral economics, and machine learning. We use these tools to help policymakers identify and target interventions, make the best use of public resources, and benefit New York's most disadvantaged citizens.

Crime Lab New York regularly seeks out passionate, data-oriented, public service-minded individuals to join our team. Crime Lab employees are committed to creating a collaborative, high energy office that is open and welcoming to individuals of all backgrounds and life experiences. We prioritize developing a workforce that is as diverse as the city in which we work.

For more information about the Crime Lab New York, go to www.crimelabnewyork.org.

To Apply: Please submit a resume, cover letter, and a sample of data work such as a final report for a class project, link to a GitHub repo, or blog post to UChicago's Workday system, search for requisition **JR04520**. Please find instructions on how to access the application below. **Note:** When applying all documents must be uploaded to the Resume/CV section of the application.

If you have **questions about the Workday application system**, please contact:
https://uchicago.service-now.com/sso?id=ssc_sc_cat_item&sys_id=cf359d671316660030c0bcaf3244b02d.

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 at <https://uchicago.wd5.myworkdayjobs.com/en-US/External>

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Job seekers in need of a reasonable accommodation to complete the application process may contact the Shared Services Office by calling 773-702-5800 or by emailing sharedservices@uchicago.edu with their request.