

Michael Riley

Data Scientist - University of Chicago Urban Labs

Chicago, IL - Email me on Indeed: indeed.com/r/Michael-Riley/868d8dffa81333f

Authorized to work in the US for any employer

WORK EXPERIENCE

Data Scientist

University of Chicago Urban Labs - Chicago, IL - July 2015 to Present

Trained, evaluated, and analyzed predictive models on multiple large administrative datasets using Machine Learning algorithms and regression techniques.

- Conducted statistical analyses and created data visualizations for review by government agencies, academic partners, and philanthropists, as well as for academic and mainstream publications.
- Hired and helped mentor research assistants and junior data analysts.
- Helped develop and maintain R packages to simplify common organizational data tasks.

Research Fellow

Cook County Sheriff's Office - Chicago, IL - June 2014 to June 2015

- Assembled and analyzed large volumes of data to build a predictive model of jail population.
- Gathered, organized, and vetted data for multiple research projects and other ad hoc requests.
- Served as intermediary between IT Department and executive office; trained executive office staff in SQL database management and querying.

Economist

American Society of Composers, Authors, and Publishers - New York, NY - October 2008 to August 2013

Oversaw the design and implementation of a quarterly survey of musical works performed over hundreds of New Media Services. Assisted in the design of a survey of musical works performed over Television and Radio.

- Helped oversee the distribution of license fees to over 410,000 members based on survey results.
- Performed research and analysis of musical performances and royalties for upper level executive review, license negotiations, and private member requests.

EDUCATION

Master of Public Policy. Concentration in Data Analysis and Machine Learning in Public Policy

University of Chicago, Harris School - Chicago, IL
September 2013 to 2015

Bachelor of Arts in Economics

New York University, College of Arts and Sciences - New York, NY
May 2008

SKILLS

Apache (Less than 1 year), Data Management (Less than 1 year), Data Visualization. (Less than 1 year), Machine Learning (3 years), SQL (1 year)

ADDITIONAL INFORMATION

Technical Skills

- Advanced user of R and proficient user of Python for Data Management, Statistical Analysis, Machine Learning, and Data Visualization.
- Advanced user of relational databases (SQL). Proficient user of Apache Pig, Hive, and MongoDB.
- Intermediate skills in Geographic Information Systems and Natural Language Processing.
- Skilled in reproducible research methods using Git, YAML, and RMarkdown.
- Dabbler in digital signal processing and electronic music composition.