

MIKE FELDMAN

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EDUCATION

University of Chicago

September 2019 - June 2021 (*expected*)

MS, Computational Analysis and Public Policy

Relevant Coursework: Machine Learning, Statistics, Experimental Design, Databases, Algorithms

University of Pennsylvania

September 2008 - May 2012

BA, Political Science | *Summa Cum Laude*

EXPERIENCE

UChicago Crime and Education Labs, Chicago, IL

November 2020 - present

Data Research Assistant (part-time)

- Tested, debugged, and developed data validation functionality for geocoding tool (using Python and command line) that takes street addresses as input and returns precise geographic coordinates
- Developing geocrosswalk tool in Python that converts Chicago demographic data from one level of geographic aggregation to another

American Civil Liberties Union (ACLU), New York, NY

June - August 2020

Data Science Intern

- Performed exploratory analysis on Federal Election Commission data in R (using dbplyr, tidyverse, and ggplot2) to examine political donation habits of ACLU donors. Findings were presented to Executive Director and cited in press release by the ACLU
- Wrangled ACLU donor data in SQL and built dashboard in Looker to track effectiveness of emails prompting donors to update credit card information. Presented completed dashboard to organizational stakeholders

Two Sigma Investments, New York, NY

January 2013 - July 2019

Compensation Analyst

August 2015 - July 2019

- Led and contributed to employee compensation-related projects and adjacent initiatives. Accomplishments included:
 - Project managing the implementation of a regular pay equity analysis process for the company
 - Project and product managing development of a mid-year performance management tool, working with in-house engineers
 - Performing extensive cost modeling to support development of a new compensation plan affecting 100+ employees
- Managed annual compensation review process, together with team of three. Responsibilities included bonus budget modeling, market data benchmarking and analysis, data auditing, and timeline management; these required minute attention to detail, strong data wrangling and visualization skills, and ability to convey technical topics in plain language

Talent Analytics Analyst [concurrent with Comp. and Employee Relations roles]

June 2014 - June 2016

- Built and maintained attrition, recruiting, headcount, and exit survey dashboards in Excel (using VBA) and Tableau, for use and reference by HR business partners, HR leadership, and business leaders
- Regularly cleaned, validated, and reconciled data that fed into dashboards
- Presented data and insights to HR leadership and business leaders

Employee Relations Analyst

January 2013 - July 2015

- Systematized and improved internal team processes by constructing checklists, assembling process toolkits, and simplifying and standardizing workflows

PROJECTS

Ticket to Ride Where? (<https://github.com/FeldmanMike/transit-ml>)

- Trained random forest regression model (using scikit-learn and pandas) that predicts public transit ridership rates for Illinois Census tracts, given an increase to their transit accessibility. Developed text-based user interface to display results. Work completed with two peers

When Will They Fix It? (<https://github.com/FeldmanMike/ml-chicago-311>)

- Trained ridge regression and support vector machine models (using NumPy, scikit-learn, and pandas) that estimate the time needed to complete a 311 service request in Chicago. Work completed with one peer

SKILLS & TECHNOLOGIES

Languages: Python, SQL, R, VBA; familiar with Javascript, HTML, CSS

Data Wrangling: pandas, tidyverse

Visualization: Altair, seaborn, ggplot2, Tableau, Looker; familiar with D3

Machine Learning: scikit-learn, NumPy (for matrix operations)

Other Tools/Software: Git/GitHub, command-line interface (CLI), Microsoft Office (Excel, Access, Powerpoint, Word)