

# Ivan Mihailov

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[GitHub](#) | [LinkedIn](#)

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## SKILLS

Python | Data Wrangling | Data Visualization | Pandas | Random Forest | XGBoost | SQL

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## PROJECTS

**Georgia Public Schools Poverty Estimates & Math/Reading Test Scores** [GitHub](#) | [Medium](#)

Analyzed GA Public Schools Neighborhood Poverty Estimates ("NPEs") and 2017-18 Math/Reading Test Scores

- Created Seaborn visualizations identifying:
  - Near zero (0) correlation b/n Math/Reading Test Scores and NPEs higher than 6X Fed. Poverty
  - Positive correlation b/n Math/Reading Scores and NPEs less than 6X Fed. Poverty Threshold

**Predicting Drought in Pennsylvania Based on Weather and Soil Data** [Google Colab](#) | [Medium](#)

Used meteorological and soil data from US Drought Monitor/ World Harmonized Soil Database

- Engineered Features & Trained Random Forest and XGBoost models improving Balanced Accuracy Score by 0.05 over baseline
- Due to skewed nature of target, final Random Forest model predicted instances of No Drought better

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## EXPERIENCE

Mihailov Law LLC, Greater Philadelphia Area, PA

Jul 2020 - Present

### Managing Attorney

- Establish and run solo commercial litigation law firm (incl. all administrative aspects of law practice)

Black & Gerngross Law Firm, Philadelphia, PA

Jan 2014 - Dec 2019

### Associate Attorney

- Led team of 20+ attorneys in E-discovery project reviewing 1.8 TB of data for arbitration against Big 4 accounting firm (incl. identifying, ingesting, & processing data as well as creating effective searches)
- Researched, distilled, and drafted court pleadings on novel and complex insurance insolvency laws
- Selected and managed outside counsel in various US jurisdictions, incl. budgeting and legal strategy

Kaufman & Forman Law Firm, Atlanta, GA

Aug 2009 - Dec 2013

### Law Clerk/Associate Attorney

- Managed 12 attorney team in E-discovery project for Trade Secrets case; completed project within court-imposed 2-week deadline & successfully defended against motion to strike our client's answer
- Provided critical legal and financial research in complicated swap agreement case vs Bank of America; assisted with defeating summary judgment and ultimately obtained favorable settlement

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## EDUCATION

Lambda School, Remote

Jan 2021 - Present

### Data Science

6+ months immersive hands-on curriculum in Data Science, Computer Science, & Software Engineering

Emory University School of Law, Atlanta, GA

May, 2009

### Juris Doctor with Honors

Guilford College, Greensboro, NC

May, 2005

**Bachelor of Science with High Honors in Business Management and International Studies**