Ivan Mihailov

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GitHub | LinkedIn

SKILLS

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

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