Isaac Stern

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Summary

Undergraduate Economics and Mathematics student in 3-2 program with hands-on experience in statistical modeling, natural language processing, and causal inference techniques. Proficient in Python, C, and advanced data analysis methods, seeking to contribute to cutting-edge quantitative research and leverage problem-solving skills in dynamic, high-stakes environments.

Experience

Research Assistant Internship
Jorge Guzman, Columbia Business School | New York, NY
06/2023 - 08/2023

Assisted Professor Jorge Guzman in research for the paper "Treatment Effects in Strategic Management." Conducted causal forest analysis on a dataset with many thousands of features to evaluate the impact of strategic choices on firm performance. Developed and implemented NLP algorithms (TF-IDF, Word2Vec, BERT) to analyze datasets, ensuring rigorous data processing and validation. Collaborated on data interpretation and contributed to advancing research methodology within the broader academic context.

Education

Wesleyan University | Middletown, CT
Economics/Mathematics | Expected: 05/2028

- **Pertinent Classes:** Multivariable Calculus (MATH 222): A, Introduction to Economic Theory (ECON 110): A, Discrete Mathematics (MATH 228): A-, Computer Science I (COMP 211): A, Introductory Econometrics (ECON 300): A
- **Activities:** Rugby Team, Debate Team
- **GPA:** 3.96 (95.0)

Tufts University: Pre-College
08/2022 - 08/2023

- **Pertinent Classes**: Statistics for Behavioral Sciences (PSY-0031): A, Linear Algebra (Math-0070): A
- **GPA**: 4.0

The Governor's Academy | Byfield, MA
High School Diploma | 05/2024

- Activities and societies: Senior Class President, Varsity Wrestling Captain, Winner of Alumni Association Award, 4x USMC-NWCA Scholar All-American

Skills

- **Programming & Data Analysis**: Python, R, SQL, Pandas, NumPy, Matplotlib, Excel, Stata
- **Natural Language Processing**: BERT, Word2Vec, TF-IDF
- **Econometrics & Research Methods**: Difference-in-Differences, Causal Forest, Statistical Inference
- **Other**: Academic Writing, Web Scraping, Dataset Construction

Publications

Stern, I. (2023), The Feds Are Coming: A History Of Competing Interest Groups And The Alaskan National Interests Land Act Of 1980. The Concord Review, 34(2), 207-240.

- Awarded the Emerson Prize and published in the Winter Edition of the 34th Volume of the Concord Review.

Ongoing Research Papers

Mapping Hate Speech in Music with GPT-4 API

- Developing a machine learning pipeline to quantify the relationship between offensive content and song popularity using advanced NLP models and statistical analysis.

The Effect of Craigslist on Local Entrepreneurship

- Conducting econometric analysis using Difference-in-Differences estimators to measure localized impacts of Craigslist's market introduction. Runner up for Lebergott-Lovell Prize

Awards

- **Emerson Prize,** The Concord Review**,** July 2024: Awarded annually to students published in The Concord Review during the previous academic year who have shown outstanding promise in history at the high school level.
- **Lebergott-Lovell Prize Runner Up**, Wesleyan University, July 2025: Awarded to the best paper written in the current academic year that uses econometric techniques to analyze an economic problem.
- **Alumni Association Award,** The Governor's Academy, May 2024: Awarded for empathy and respect for others, compassion, and community spirit.