

# EREN BILEN

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## Research Interests

Behavioral Economics, Machine Learning, Artificial Intelligence

## Academic Positions

Affiliated Faculty, Burgess Institute for the Global Economy, Dickinson College July 2024-present  
Assistant Professor, Data Analytics (tenure-track), Dickinson College July 2022-present  
Contributing Faculty, Economics, Dickinson College July 2021-present  
Visiting Assistant Professor, Data Analytics, Dickinson College July 2021-2022

## Education

Ph.D. Economics, University of South Carolina May 2021  
*Committee:* Alexander Matros (chair), Philip Brookins, Lindsey Woodworth, Edsel Peña  
*Dissertation Title:* “Essays in the Economics of Tournaments”  
M.A. Economics, University of South Carolina May 2016  
C.A.S. Applied Statistics, University of South Carolina May 2016  
B.A. Economics, Izmir University of Economics May 2015  
B.A. International Trade and Finance, Izmir University of Economics May 2015

## Publications

1. “The Queen’s Gambit: Explaining the Superstar Effect Using Evidence from Chess”, *Journal of Economic Behavior & Organization*, 215, November 2023, pp. 307-324, with Alexander Matros.
2. “Search Less for a Better Price,” *Canadian Journal of Economics/Revue canadienne d’économique*, 56, February 2023, pp. 622–646, with Deniz Dizdar and Chun-Hui Miao.
3. “Online Cheating Amid COVID-19”, *Journal of Economic Behavior & Organization*, 182, February 2021, pp. 196-211, with Alexander Matros.  
**News coverage on Forbes:** [Link](#)  
**San Fransisco Chronicle:** [Link](#)  
**Inside Higher Ed:** [Link1](#) [Link2](#)

## Working Papers

1. “Is Economics STEM? OPT Reform, Reclassification, and Diversity in U.S. Higher Education”, with Emily Marshall and Tony Underwood. (accepted at *AEA Papers and Proceedings*)
2. “Tip-offs: Why Bother?”, with Andrew Scheiner and Barry Tesman. (revise and resubmit at *Scatterplot*)
3. “Learning from the Storm: The Impact of Hurricane Experience on Future Disaster Preparedness”, with Tamara Sheldon and Crystal Zhan. (submitted)
4. “When AI Gives Bad Advice: Critical Thinking in Human-AI Collaborations”, with Justine Hervé. (submitted)

5. “Self-Driving Cars, Moral, and Randomness”, with Alexander Matros and Leonid Matros. (submitted)
6. “Nationalism in Online Games During War”, with Nino Doghonadze, Robizon Khubulashvili, and David Smerdon.
7. “Peer Effects and Motivation in High Level Performers”, with Robert Pettis.

## Work in Progress

1. “Collaborating with and Intelligent but Hallucinating Partner: Human-AI Interaction Under Asymmetric Information”, with Deniz Bilen.
2. “Changes in Productivity in Job-to-Job Transitions: Evidence in Labor Mobility in Academia”, with Xiaozhou Ding and Paul Ko.
3. “Gender Differences in Risk-taking: Evidence from Chess Players”.
4. “Moral Problems and Dishonesty in Online Environments: A Controlled Experiment in Amazon Mechanical Turk”, with Alexander Matros.
5. “AI for Rubik’s Cube: Mimicking Human Solve”, with Pranav Azad.
6. “Analyzing Turning Point: The 1964 Game of Strategy”, with Andrew Scheiner and Barry Tesman.
7. “Masks, Facial-Expressions, and Strategic Interaction: Evidence from Word Series of Poker”, with Joaquín Gómez-Miñambres.

## Book Chapters

1. “The Superstar Effect,” *Encyclopedia of Heroism Studies*, pp. 2017-2019, Springer Cham, 2024, with Alexander Matros.

## Seminar/Conference Presentations

Dickinson College Burgess Institute (scheduled), Carlisle PA	September 2025
LACBEE 2025, Middlebury VT	June 2025
Dickinson College AI Symposium, Carlisle PA	April 2025
Fordham University, Bronx, NY	April 2025
West Virginia University, Morgantown, WV	February 2025
LACBEE 2024, Colorado Springs, CO	July 2024
Chinese Economists Society North America Conference, Lewisburg, PA	March 2024
Southern Economic Association Meetings, New Orleans LA	November 2023
Lafayette College, Easton PA	October 2023
Dickinson College Rush Hour Seminar, Carlisle PA	September 2023
MAA MathFest 2023*, Tampa, FL	August 2023
LACBEE 2023, Swarthmore, PA	July 2023
Syracuse University, Syracuse NY	April 2023
American Economic Association Meetings CEE, New Orleans LA	January 2023
Southern Economic Association Meetings, Fort Lauderdale FL	November 2022
Southern Economic Association Meetings, Houston TX	November 2021
Dickinson College Economics Brownbag, Carlisle PA	October 2021
American Society of Health Economists Conference, Washington D.C.	June 2021
Dickinson College, Carlisle PA	March 2021

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\*indicates student co-author presentation.

Southern Illinois University Edwardsville, Edwardsville IL	February 2021
Sabancı University, Istanbul, Turkey	January 2021
University of Nebraska at Omaha, Omaha NE	January 2021
Murray State University, Murray KY	January 2021
Southern Economic Association Meetings, New Orleans LA	November 2020
Lancaster University, Lancaster, UK	October 2020
Laboratory Innovation Science at Harvard (LISH), Boston MA	September 2020
University of South Carolina Economics Brownbag, Columbia SC	September 2020
Contests: Theory and Evidence, Norwich, UK	June 2020
University of South Carolina Economics Brownbag, Columbia SC	February 2020
Southern Economic Association Meetings, Fort Lauderdale FL	November 2019
American Society of Health Economists Conference, Washington D.C.	June 2019

## Teaching Experience

Dickinson College, Department of Data Analytics	
Data Science for the Humanities and Social Sciences	Fall 2025
Introduction to Data Science	Fall 2023, 2022, 2021
Data Systems for Data Analytics	Fall 2024, 2023, 2022; Spring 2023
Capstone in Data Analytics	Spring 2025, 2024, 2023; Fall 2025, 2024
Dickinson College, Department of Economics	
Game Theory	Spring 2022
Dickinson College, Department of Mathematics	
Elementary Statistics	Spring 2022, Fall 2021
University of South Carolina, Department of Economics	
Introduction to Economics	Fall 2018, 2019, 2020; Spring 2019, 2020, 2021

## Service and Activities

Hearing board member for student violations, Dickinson College	Fall 2023-present
Search committee member for VP of Enrollment, Dickinson College	2023-2024
Search committee member for AP in Data Analytics (x2), Dickinson College	2022-2024
Social media accounts for Dickinson Data Analytics Dept:  and 	2021-present
Web-maintenance for seminars: <a href="https://ehealthecon.org">ehealthecon.org</a> and <a href="https://tobaccopolicy.org">tobaccopolicy.org</a>	2020-present
Faculty advisor for Dickinson Chess Club	2021-2022
Preparing for Future Faculty, CTE, University of South Carolina	June 2020

## Independent Studies Offered

Pranav Azad, AI for Rubik's Cube: Mimicking Human Solving Techniques	2025
Andrew Scheiner, Turning Point II: A Statistical Analysis of the 1964 Game of Strategy	2025
Minh Trinh, Tennis Grand Slam Analysis: A Statistical Approach	2024
Andrew Scheiner, Turning Point: A Statistical Analysis of the 1964 Game of Strategy	2024
Michael Freda, Using Natural Language Processing to Enhance Google Reviews	2024
Pranav Mishra, Improving Object Recognition Models in Detecting Rattlesnakes	2023
Andrew Scheiner, Tip-off in Basketball	2023
Suong Tran, Finding Orthogonal Bioluminescent Probes Using Machine Learning	2023
Ben Stoopak, The Impact of Playing on a New Team: Evidence from MLB	2023

## Journals Refereed

*Economics of Education Review* (5), *Ethics and Behavior* (4), *Ethics and Information Technology* (1), *International Review of Economics Education* (3), *Journal of Economic Education* (5), *Journal of Economics Teaching* (3), *Southern Economic Journal* (2), *Psychological Reports* (1), *Scientific Reports* (1)

## Professional Societies and Affiliations

American Economic Association, American Society of Health Economists, American Statistical Association, Southern Economic Association

## Awards

Dickinson College Research Grant \$3,000; \$3,000; \$1,500	Summer 2024-25, Fall 2024
Dickinson College Student-Faculty Research Grant (x1)	Summer 2025
Dickinson College Research Assistant Grant (x5)	Fall 2023-25, Spring 2024-25
Dickinson College Research Assistant Grant (x1), with Barry Tesman	Summer 2023
Dickinson College Research Assistant Grant (x3), with Xiaozhou Ding and Paul Ko	2022-23
Moore School Research Grant \$5,000; \$3,000, with Alexander Matros	2020, 2019
Ph.D. Fellowship, Darla Moore School of Business	2016-2021
MAEC Financial Award, Darla Moore School of Business	2015-2016
High Honor Student Award, Izmir University of Economics	2015
Full Undergraduate Scholarship, Izmir University of Economics	2011-2015
Project Development & Entrepreneurship Award, Turkish Industry and Business Assoc.	2013

## Software

Programming: Python, C	Web: HTML
Math/Stat: R, Stata, Matlab, SAS	Data-science: ML, text mining, web-scraping
Database: SQL	Typography: L <sup>A</sup> T <sub>E</sub> X