

EREN BILEN

Department of Data Analytics
Dickinson College
Carlisle, PA 17013
Office: Althouse 104

☎ (717) 980-8889
☎ (717) 254-8162
✉ ebilene@dickinson.edu
<https://ernbilen.github.io>
🌐 [ernbilen](#)

Research Interests

Applied Microeconomics, Machine Learning, Tournaments, Behavioral Economics

Academic Positions

Assistant Professor of Data Analytics (tenure-track), Dickinson College July 2022-Present
Visiting Assistant Professor of 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’économie*, 2023, 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. “Disaster Preparedness and Experience: Evidence from Sales of Emergency Supplies Before and After Hurricanes”, with Tamara Sheldon and Crystal Zhan.
2. “Nationalism in Online Games: Impacts of International Conflicts on Chess Player Behavior”, with Nino Doghonadze, Robizon Khubulashvili, and David Smerdon.
3. “Peer Effects and Motivation in High Level Performers”, with Robert Pettis.

Work in Progress

1. “Impact of Asymmetric Productivity Spillovers in Job-to-Job Transitions: Evidence from Labor Mobility in Academia”, with Xiaozhou Ding and Paul Ko.
2. “Gender Differences in Risk-taking: Evidence from Chess Players”.
3. “Moral Problems and Dishonesty in Online Environments: A Controlled Experiment in Amazon Mechanical Turk”, with Alexander Matros.

4. “When Trader Joe’s Comes to Town: The Effects of Trader Joe’s Store Openings on Adult Obesity”.
5. “How Green is Online Shopping? The Effect of Online Food Delivery on Traffic Congestion and Carbon Emissions”, with Olga Perdidaki, Luv Sharma, and Necati Tereyagoglu.
6. “Is Economics STEM? OPT Reform, Reclassification, and Diversity in U.S. Higher Education”, with Emily Marshall and Tony Underwood.
7. “Masks, Facial-Expressions, and Strategic Interaction: Evidence from Word Series Poker”, with Joaquín Gómez-Miñambres.
8. “When AI Gives Bad Advice: Experimental Evidence on the Effect of Chatbots on Students’ Critical Thinking”, with Justine Hervé.

Book Chapters

1. “The Superstar Effect”, *Encyclopedia of Heroism Studies*, Springer Cham, 2023, with Alexander Matros.

Seminar/Conference Presentations

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
MathFest 2023, Tampa, FL	July 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
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	
Introduction to Data Science	Fall 2023, Fall 2022, Fall 2021
Data Systems for Data Analytics	Fall 2023, Spring 2023, Fall 2022
Capstone in Data Analytics	Spring 2024, Spring 2023
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 2018-2020, Spring 2019-2021

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: t and f	2021-present
Web-maintenance for seminars: ehealthecon.org and tobaccopolicy.org	2020-present
Faculty advisor for Dickinson Chess Club	2021-2022
Preparing for Future Faculty, CTE, University of South Carolina	June 2020
Reviewer, American Society of Health Economists	January 2020
Referee, Discover USC Day at University of South Carolina	April 2019
International Student Ambassador at University of South Carolina	Spring 2019

Independent Studies Offered

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 Stoopack, The Impact of Playing on a New Team: Evidence from MLB	2023

Journals Refereed

Economics of Education Review (2), *Ethics and Behavior* (3), *Ethics and Information Technology* (1), *Journal of Economic Education* (3), *Journal of Economics Teaching* (2), *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	Summer 2024
Dickinson College Research Assistant Grant (x3)	Fall 2023, Spring 2024
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: \LaTeX