

Bryan S. Weber, PhD

Curriculum Vitae

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Education

- 2011–2015 **Ph D, Economics**, University of Wisconsin, Milwaukee, WI.
- 2009–2011 **MA, Economics**, UW-Milwaukee, Milwaukee, WI.
- 2005–2009 **BA, Economics, Honors, Cum Laude**, UW-Milwaukee, Milwaukee, WI.
BA, Philosophy, Honors, Cum Laude, UW-Milwaukee, Milwaukee, WI.

Academic Honors

- 2010 **Fellowship**, Summer School in International Economics, Justus-Liebig University.
- 2009 **Best New Tutor**, Tutoring and Academic Resource Center, UW-Milwaukee.
- 2005–2009 **Magnatek Scholarship for Academic Merit**, Magnatek, UW-Milwaukee.

Experience

Academic: Post-Secondary

- 2016–Present **Assistant Professor**, College of Staten Island – CUNY, Department of Economics.
- 2015–2016 **Visiting Assistant Professor**, College of William & Mary, Department of Economics.
- 2012–2015 **Instructor**, UW-Milwaukee, Department of Economics.
- 2011–2012 **Teaching Assistant**, UW-Milwaukee, Department of Economics.

Non-Academic

- 2021 **Consultant**, various legal clients in the area of cost estimation.
- 2015–2018 **Supporting Researcher**, National Consortium for the Study of Terrorism and Responses to Terrorism (START), Maryland.
- 2013–2014 **Research Assistant**, Institute for Survey & Policy Research, Milwaukee.

Peer-Reviewed Publications

Published

- 2021 A. H. Christiansen, E. Gensby, and Bryan S. Weber. Deployment of causal effect estimation in live games of Dota 2. *Institute of Electrical and Electronics Engineers (IEEE) Transactions on Games (TOG)*, December 2021. (Accepted).
Toan Luu Duc Huynh and Bryan S. Weber. COVID-19 challenges and firm responses: Analysis of a city-wide census in a developing country. *Managerial and Decision Economics*, November 2022.
Lam Hoang Viet Le, Toan Luu Duc Huynh, Bryan S. Weber, and Bao Khac Quoc Nguyen. Different firm responses to the COVID-19 pandemic shocks: machine-learning evidence on the Vietnamese labor market. *International Journal of Emerging Markets*, July 2021. (Accepted).
- 2020 Hamid Mohtadi and Bryan S. Weber. Policy rationality and extreme events: Case of catastrophic terrorism. *Economic Inquiry*, 59:140–161, June 2020.

- 2019 Kristen Mammen, Hyoung Suk Shim, and Bryan S. Weber. Vision Zero and traffic injury prevention in New York City. *Eastern Economic Journal*, 46:282–300, December 2019.
- Bryan S. Weber. Uber and urban crime. *Transportation Research Part A: Policy and Practice*, 130:496–506, December 2019.
- Hamid Mohtadi and Bryan S. Weber. Terrorism risk and optimal policy response: theory and empirics. *Indian Growth and Development Review*, 13(2):449–468, October 2019.
- A. H. Christiansen, E. Gensby, and Bryan S. Weber. Resolving simultaneity bias: Using features to estimate causal effects in competitive games. *Institute of Electrical and Electronics Engineers (IEEE) Conference on Games (COG)*, pages 1037–1044, 2019.
- John S Heywood and Bryan S. Weber. University-provided transit and crime in an urban neighborhood. *The Annals of Regional Science*, 62:467–495, June 2019.
- 2018 Bryan S. Weber. Standard economic models in nonstandard settings—StarCraft: Brood War. In *IEEE Conference on Computational Intelligence and Games (CIG)*, pages 417–424. IEEE, August 2018.
- 2014 Bryan S. Weber. Can safe ride programs reduce urban crime? *Regional Science and Urban Economics*, 48:1–11, September 2014.

Revise & Resubmit

- 2021 Paolo Cappellari and Bryan S. Weber. Instrumental variables approach and causal effects: Traffic volume and vehicle collisions under COVID-19. *Journal of Safety Research*, November 2021. (Revise and Resubmit).
- Bryan S. Weber and Paolo Cappellari. Troubled waters: Ferry transit and urban crime. *Urban Affairs Review*, November 2021. (Revise and Resubmit).

Under Review

- 2022 Adam Amos-Binks and Bryan S. Weber. Risk management: Reacting, anticipating and the relationship to winning in starcraft. *Proceedings of the 31st International Joint Conference on Artificial Intelligence*, December 2022. (Under Review).

In Progress

- 2021 Paolo Cappellari, Ali Moghtaderi, and Bryan S. Weber. Unintended effects of tax hikes: from ridership to congestion and crime. June 2022. (Intended).
- Sourav Batabyal and Bryan S. Weber. House prices and global health crises. *Economic Letters*, June 2021. (Last Presented).

Selected Grants Awarded or Participated In

Peer-Reviewed

- 2021 Bryan S. Weber. (Principal, Applied) “Savings And Investment Preparation Under Black Swan Events,” RF-CUNY, \$3,000.
- Jon Peters and Bryan S. Weber. (Principal) “Utilizing Web-Scraped Spatial Hospitality Data for Research and Teaching: Examining Detailed AirBnB Data for Economic and Business Policy Issues,” Teaching Innovation Initiative, Lucille and Jay Chazanoff School of Business, \$4,500.

- 2020 Bryan S. Weber. (Principal), “STATA for Students,” Department of Economics, CSI - CUNY, \$3,145.
- 2017 – 2018 Bryan S. Weber. (Principal, one of 6), “Proposal for Implementing OER at the College of Staten Island – CUNY,” Sponsored by CUNY: Office of Academic Affairs, CSI - CUNY, \$126,325.
- 2016 Bryan S. Weber. (Principal), “OER Pilot Project,” Sponsored by College of William & Mary, \$2,000.

Selected Presentations

Academic

- 2019 Bryan S. Weber. Columbus safe rides convening. December 2019. Invited to discuss and analyze a recently-implemented experimental safe ride program, the first experimentally implemented program of its kind, sponsored by AB InBev. December 2019. Columbus, OH.

Bryan S. Weber, K. Mammen, and H. S. Shim. Vision Zero and traffic injury prevention in New York City. American Economics Association: Transportation and Public Utilities Group (TPUG), January 2019. Atlanta, GA.
- 2018 Bryan S. Weber. Standard economic models in nonstandard settings–StarCraft: Brood War. IEEE:CIG Poster Session, August 2018. Maastrich, Netherlands.

Bryan S. Weber. Uber and urban crime. Rutgers Economic Department Seminar, March 2018. Rutgers - Newark, Newark, NJ.

Bryan S. Weber. Uber and urban crime. American Economics Association: Transportation and Public Utilities Group, January 2018. Philadelphia, PA.
- 2017 Bryan S. Weber. Using machine learning to assess the costs of terrorist attacks. National Consortium for the Study of Terrorism and Responses to Terrorism (START), January 2017. College Park, MD.
- 2015 Bryan S. Weber. Modeling adversary decisions and strategic response. Academic Research Initiative: DHS, Domestic Nuclear Detection Office, July 2015. Leesburg, VA.
- 2014 Bryan S. Weber. Can safe ride programs reduce urban crime? Annual Potsdam Conference in Empirical Economics, March 2014. University of Potsdam, Germany.

Outreach

- 2019 Bryan S. Weber. CUNYBot and gaming in economics. National Science Foundation – New York City Louis Stokes Alliance for Minority Participation, April 2019. Staten Island, NY.

Editing & Reviewing

- 2022–Present Associate Editor *Evaluation Review*
- 2021–Present Associate Editor *Journal of Asian Business and Economic Studies*
Reviewer, Grants *PSC-CUNY Research Award Program*
Reviewer *Evaluation Review*
- 2020 Reviewer *Journal of Urban Economics*
- 2018 Reviewer *Journal Of Economic Behavior & Organization*

Reviewer *IEEE Transactions on Games*
2014 Reviewer *Regional Science and Urban Economics*

Courses Taught

2019–Present Graduate Center-CUNY *Big Data Analytics (1x), Independent Study (In Computer Science, 2x).*
2016–Present CSI-CUNY *Urban Economics (2x), Introductory Econometrics (10x), Behavioral Economics (3x), Economics & Managerial Statistics (2x), Introductory Microeconomics (4x), Introductory Macroeconomics (1x).*
2015–2016 William & Mary *Econometrics (1x), Industrial Organization (1x), Introductory Microeconomics (2x).*
2012–2015 UW-Milwaukee *Introductory Microeconomics (Independently 1x, As TA 2x), Introductory Macroeconomics (As TA 1x).*

New Courses & Curricula Developed

2020 Urban Economics. Revised and taught course for the first time in 20 years.
2018 Introduction to Economic and Managerial Statistics with Open Educational Resources (OER). Zero Cost.
Introductory Macroeconomics with OER. Zero Cost.
Introductory Microeconomics with OER. Zero Cost.
2016 Introductory Microeconomics at The College of William and Mary with OER.

Service

CSI

2020–Present Esports Working Group
Member, Course and Standing Committee.
2018 Master of Ceremonies, Commencement for the School of Business.
Department/Program
2019–Present Committee Member, Academic Technology Committee.
2017–Present Committee Member, Course and Standing Committee.
2018 Special Institutional Assignment, Annual Assessment Economics for the BA/BS Concentration.

Professional

2019–Present Member, Southern Economics Association.
2017–Present Member, Urban Economics Association.
2015–Present Member, Transportation and Public Utilities Group.
2014–Present Member, American Economics Association.
2017 Committee Chair, Transportation and Public Utilities Group.

Public

2015–Present Member, Economics Stack Exchange. 124k people reached, top 50 users.

Programming

Software

2017–Present Developed a competitive AI, CUNYBot, using C++ to play a complete strategy game using macroeconomic models. Uses machine learning techniques such as genetic algorithms, random forests, and Monte Carlo simulations. Opponents include AI designed by Facebook. Approximate win rate of 47%, code available at Github.

CUNYBot Tournaments and Educational Usage

2020 Used in Notre Dame's CSE 40971 as an example bot.

2018–2019 Institute of Electrical and Electronics Engineers (IEEE): Conference on Computational Intelligence and Games (CIG), placed 18th out of 27th.

2017–2019 Student Starcraft AI Tournament (SSCAIT)

2018 Artificial Intelligence and Interactive Digital Entertainment (AIIDE)

Languages/Proficiencies

- R (Proficient)
- GIS (Proficient)
- GGPlot (Proficient)
- Matlab (Familiar)
- SQL (certified Coursera)
- C++ (Proficient)
- Stata (Proficient)
- L^AT_EX (Proficient)
- Python (Proficient)