

Ashley L. O'Donoghue, PhD

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EDUCATION

2020	Ph.D.	Economics <i>Field: Applied Econometrics</i>	Clark University
2017	M.A.	Economics	Clark University
2015	B.A.	Economics and Mathematics <i>magna cum laude</i>	Assumption College

RESEARCH EXPERIENCE

2020 – Present	Economist , Center for Healthcare Delivery Science Beth Israel Deaconess Medical Center
2018 – 2020	Pre-Doctoral Research Fellow , Center for Healthcare Delivery Science Beth Israel Deaconess Medical Center
2016 – 2018	Summer Research Assistant , Department of Economics Clark University
2014 – 2015	Research Intern Worcester Regional Research Bureau

PUBLICATIONS

- Mitra A, Griesdale D, Haljan G, **O'Donoghue A**, Stevens J, “How the high acuity unit changes mortality in the intensive care unit: a retrospective before-after study,” *Canadian Journal of Anesthesia*. 2020.
- Horng S, Joseph J, Calder S, Stevens J, **O'Donoghue A**, Safran C, Nathanson L, Leventhal E. “Assessment of unintentional duplicate orders by emergency department clinicians before and after implementation of visual aid in the electronic health record ordering system,” *JAMA Network Open*. 2019;2(12):e1916499.

OTHER WRITING

- Stevens J, Horng S, **O'Donoghue A**, Moravick S, Weiss A. “How one Boston hospital built a covid-19 forecasting system,” *Harvard Business Review*, June 29, 2020.

INVITED TEACHING, PRESENTATIONS, AND POSTERS (including scheduled)

LOCAL

- 2020 “The effect of the Medicaid expansion on opioid prescribing rates and drug-related foster care removals”
Center for Healthcare Delivery Science Grand Rounds
Beth Israel Deaconess Medical Center, Boston, MA
- 2020 “Reopening businesses and risk of COVID-19 transmission”
Center for Healthcare Delivery Science Work-in-Progress Seminar
Beth Israel Deaconess Medical Center, Boston, MA
- 2020 “Real-time ML-driven COVID-19 forecasting”
Department of Healthcare Quality Seminar
Beth Israel Deaconess Medical Center, Boston, MA
- 2020 “Real-time ML-driven COVID-19 forecasting”
Center for Healthcare Delivery Science Work-in-Progress Seminar
Beth Israel Deaconess Medical Center, Boston, MA
- 2020 “Prospective cohort study of a proof-of-concept method to monitor nursing stress in the emergency department before and after an operational change”
Artificial Intelligence/Machine Learning Symposium
Beth Israel Deaconess Medical Center, Boston, MA

REGIONAL

- 2020 “Real-time ML-drive COVID-19 forecasting”
Massachusetts Health Data Consortium Webinar
- 2019 “The effect of naloxone access on opioid-related mortality”
Economics Seminar Series
Fitchburg State University, Fitchburg, MA
- 2019 “The effect of naloxone access on opioid-related mortality”
17th Multidisciplinary Conference
Clark University, Worcester, MA
- 2019 “The effect of a large-scale workfare program on child marriage in India”
17th Multidisciplinary Conference
Clark University, Worcester, MA
- 2018 “Effective Strategies for Teaching Assistants”, panelist
University-Wide Teaching Assistant Orientation
Clark University, Worcester, MA
- 2017 “Effective Strategies for Teaching Assistants”, panelist
University-Wide Teaching Assistant Orientation
Clark University, Worcester, MA

NATIONAL

- 2020 “The effect of the Medicaid expansion on opioid prescribing rates and drug-related foster care removals”
Southern Economic Association 90th Annual Meeting, New Orleans, LA
- 2020 “The effect of the Medicaid expansion on opioid prescribing rates and drug-related foster care removals”
AcademyHealth’s 2020 Annual Research Meeting, Boston, MA

2020	“The effect of the Medicaid expansion on opioid prescribing rates and drug-related foster care removals” American Society of Health Economists’ 9 th Annual Conference, St. Louis, MO*
2020	“The effect of the Medicaid expansion on opioid prescribing rates and drug-related foster care removals” Eastern Economic Association 46 th Annual Meeting, Boston, MA
2019	“The effect of a large-scale workfare program on child marriage in India” Southern Economic Association 89 th Annual Meeting, Fort Lauderdale, FL
2019	“The effect of a large-scale workfare program on child marriage in India” IUSSP Population, Poverty and Inequality Research Conference, Ann Arbor, MI

INTERNATIONAL

2014	“The non-linear impact of family income on child educational outcomes” 24 th Business and Economics Society International Conference, Florence, Italy
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* scheduled to present, but conference cancelled due to COVID-19 pandemic

TEACHING EXPERIENCE

Instructor, Department of Economics, Clark University		
Fall 2019	Economics & the World Economy	4.92/5.00
Fall 2018	Economics & the World Economy	4.83/5.00
Teaching Assistant, Department of Economics, Clark University		
Spring 2019	Economics & the World Economy	4.9/5.0
Spring 2018	Introduction to Statistics	4.8/5.0
Fall 2017	Economics & the World Economy	4.8/5.0
Spring 2017	Introduction to Statistics	4.8/5.0
Fall 2016	Introduction to Statistics	4.9/5.0
Spring 2016	Economics & the World Economy	4.6/5.0
Fall 2015	Economics & the World Economy	4.5/5.0

HONORS AND AWARDS

2020	Lead of winning team, MIT COVID-19 Challenge Datathon	MIT
2019	Outstanding Teaching Assistant of the Year Award	Clark University
2018	Department of Economics’ departmental teaching assistant recognition	Clark University
2017	Department of Economics’ departmental teaching assistant recognition	Clark University
2015	Ph.D. Full Tuition Scholarship	Clark University
2014	Conference Travel Award	Assumption College
2014	Omicron Delta Epsilon Economics Honor Society	Assumption College
2014	Kappa Mu Epsilon Mathematics Honor Society	Assumption College
2011	Undergraduate Partial Tuition Scholarship	Assumption College
2011 – 2014	Dean’s List	Assumption College

PROFESSIONAL SERVICE

2020 American Society of Health Economists Annual Conference, Scientific Review Committee

PROFESSIONAL DEVELOPMENT

2020	Machine Learning: Hands-On Python in Data Science	Udemy
2019	Machine Learning Course, Stanford University	Coursera
2019	Applied Data Science in Python Specialization Certificate, IBM	Coursera
2018	Seminar in College Teaching Course	HECCMA
2016	Project TIER (Teaching Integrity in Empirical Research) Workshop	Clark University

PROFESSIONAL SOCIETIES

2020 –	American Economic Association	Member
2020 –	AcademyHealth	Member
2019 –	American Society of Health Economists	Member
2018 –	International Union for the Scientific Study of Population	Member
2018 –	Midwest Economic Association	Member
2018 –	Southern Economic Association	Member

SELECTED MEDIA COVERAGE

“When will coronavirus cases peak? It’s getting harder for experts to predict,” *NBC News*, July 25, 2020.

“The predictive analytics tools hospitals are using to forecast COVID-19 case surges,” *Becker’s Hospital Review*, July 17, 2020.

“What is the covid-19 data tsunami telling policymakers?” *Engineers Ireland*, July 12, 2020.

“Modeling, economists and predicting the new normal,” *The Future Car: A Siemens Podcast*, July 1, 2020.

“What is the covid-19 data tsunami telling policymakers?” *MIT Quest for Intelligence*, July 1, 2020.

“4 takeaways from a Harvard hospital’s homegrown COVID forecasting,” *AI in Healthcare*, June 30, 2020.

“How Beth Israel Deaconess Medical Center predicted COVID-19 surges 5 days before national models,” *Becker’s Hospital Review*, June 29, 2020.

“Coronavirus ‘super-spreaders’ named as restaurants, fast food and hotels,” *Fox Business*, May 27, 2020.

“JNOLive | December 10, 2019,” *JNO Live*, December 10, 2019.

“Study: Visual aids in EHRs cut nearly 50% of unintentional duplicate lab tests,” *Becker’s Hospital Review*, December 6, 2019.

Last Updated: August 19, 2020