

Charles Blain Morin

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EDUCATION

The Ohio State University

Ph.D. in Public Policy and Management (Expected May 2023)

Columbus, OH

Aug 2019 – Present

Brown University

Master's of Science in Biostatistics

Thesis Topic: Outcome Reporting Bias in Meta-Analysis

Providence, RI

Aug 2017 – May 2019

The Ohio State University

Bachelor's of Science in Economics

Columbus, OH

Jan 2015 – May 2016

Columbus State Community College

Associate's of Arts

Columbus, OH

May 2013 – Aug 2015

RESEARCH INTERESTS

Economic Resilience | Energy Policy | Environmental Policy | Statistics and Econometrics
Focuses include:

- The relationship between land conservation and regional economic resilience.
- The cost-effectiveness of economic resilience actions by firms after natural disasters.
- The pass-through savings for consumers after energy deregulation.
- Management factors that affect the distribution of resilience outcomes.

ACADEMIC

APPOINTMENTS

John Glenn College of Public Affairs

Graduate Research Assistant

Columbus, OH

Aug 2019 – Current

- With Dr. Lauren Jones: Created a database of sobriety checkpoint laws and assisted in analysing the effect of the laws on traffic accidents and fatalities.
- With Dr. Chris Rea: Implemented a Bayesian dynamic latent variable model which models the latent characteristics of Federal Agencies. Led a small team of undergraduates doing data gathering, cleaning, and engineering.
- With Dr. Noah Dormady: Consulted on the statistical analysis of economic resilience survey data, assisted with the technology transition of the statistical approaches

Graduate Teaching Assistant

Jan 2020 – Current

- PUBAFRS 6070: Public Affairs Statistics (Master's Level), PUBAFRS 6080: Program Evaluation (Master's Level)

Brown University

Teaching Assistant

Providence, RI

Jan 2019 – May 2019

- PHP 2511: Applied Regression Analysis (Master's Level)

The Ohio State University Dept. of Economics

Teaching Assistant

Columbus, OH

Jan 2016 – May 2016

- ECON 4001.01: Intermediate Microeconomics (Undergraduate Level)

PUBLICATIONS, WORKING PAPERS

1. N. Dormady, **C. B. Morin**, and M. Pesavento, "Who pays for natural gas deregulation?," In *Progress*.
2. N. Dormady, A. Rose, and **C. B. Morin**, "Book chapter: Advances in the empirical estimation of disaster resilience," *Under Review*.
3. N. Dormady, A. Rose, A. Roa-Henriquez, and **C. B. Morin**, "The cost-effectiveness of economic resilience," *Under Review*.
4. **C. B. Morin**, "The effect of greenspace investment on community resilience," In *Progress*.

	<ol style="list-style-type: none"> 5. C. B. Morin, N. Dormady, and A. Rose, "Empirical estimation of economic resilience to infrastructure disruptions," <i>In Progress</i>. 6. C. Rea and C. B. Morin, "Capacity and autonomy of environmental agencies," <i>In Progress</i>.
CONFERENCE PRESENTATIONS, INVITED TALKS	<ol style="list-style-type: none"> 1. Empirical Estimation of Economic Resilience to Infrastructure Disruptions, <i>North American Regional Science Council (NARSC)</i>, Denver, CO Nov 2021. 2. Resilience Measurement and Estimation, <i>International Society for Integrated Disaster Risk Management (IDRiM)</i>, Virtual, Sep 2021 3. Technology Transition: The Business Resilience Calculator, <i>U.S. Department of Homeland Security Centers of Excellence Summit's Student Poster Competition</i>, Virtual, May 2021. 4. The Cost-Effectiveness of Economic Resilience, <i>The North American Regional Science Council (NARSC)</i>, Virtual, Nov 2020. 5. The Cost-Effectiveness of Economic Resilience, <i>The Association for Public Policy Analysis and Management (APPAM)</i>, Denver, Colorado, Nov 2019. 6. Guest Lecturer, <i>Measuring Resilience to Disasters for Planning (CRPLAN 6425)</i>, Columbus, OH Dec 2019. 7. Assessing Outcome Reporting Bias in a Systematic Review of Venous Thromboembolism Prophylaxis, <i>Public Health Research Day</i>, Providence, RI Apr 2019.
GRANTS, AWARDS	<ul style="list-style-type: none"> • Glenn College Doctoral Student Travel Funds (\$800) 2021 • ENGIE-Axiom Incentive Recruitment Scholarship Award (\$5,000), The Ohio State University 2019 • Glenn College Doctoral Student Travel Funds (\$750) 2019 • Brown University Biostatistics Departmental Scholarship recipient 2017, 2018 • Dean's List, The Ohio State University 2015, 2016
FUNDED PROJECTS	<p>Department of Homeland Security (DHS). 2020-2021. Technology Transition: Business Resilience Calculator. \$129K. (PIs: Rose, A., Dormady, N.) (RA: Morin, C. B.).</p> <p>Department of Homeland Security (DHS). 2020. Technology Transition: Business Resilience Calculator Covid-19 Supplement. \$40K. (PIs: Rose, A., Dormady, N.) (RA: Morin, C. B.).</p> <p>Department of Homeland Security (DHS). 2019. Technology Transition: Business Resilience Calculator. \$207K. (PIs: Rose, A., Dormady, N.) (RA: Morin, C. B.).</p>
PROFESSIONAL EXPERIENCE	<p>Rhode Island Department of Health Providence, RI Water Quality Program Intern Jan 2018 – May 2018</p> <ul style="list-style-type: none"> • Developed predictive models for bacteria levels in beach water • Evaluated beach closure policies <p>Columbus State Community College Columbus, OH Testing Assistant Oct 2016 – Jul 2017</p> <ul style="list-style-type: none"> • Administered and proctored exams
SKILLS	<p>Statistical Programming: R (Advanced), Stata (Intermediate), Python (Beginner)</p> <p>Other Programming: SQL, \LaTeX</p> <p>Data Visualization: RShiny, RShiny Dashboards</p> <p>Webscraping: RCurl, rvest, xml2</p>
SOFTWARE	<p><u>Business Resilience Calculator</u> (under commercialization with US DHS): Decision support software to enhance cost-effective resilience planning and response efforts by government and private sectors.</p>

SERVICE	Glenn College's Doctor Student Organization <i>Event Chair</i>	Columbus, OH <i>Aug 2020 – May 2021</i>
	Glenn College's Technology Committee <i>Student Representative</i>	Columbus, OH <i>Aug 2020 – May 2021</i>