

Charles Blain Morin

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EDUCATION	The Ohio State University Ph.D. in Public Policy and Management (Expected May 2024)	Columbus, OH <i>Aug 2019 – Present</i>
	Brown University Master's of Science in Biostatistics Thesis Topic: Outcome Reporting Bias in Meta-Analysis	Providence, RI <i>Aug 2017 – May 2019</i>
	The Ohio State University Bachelor's of Science in Economics	Columbus, OH <i>Jan 2015 – May 2016</i>
	Columbus State Community College Associate's of Arts	Columbus, OH <i>May 2013 – Aug 2015</i>
RESEARCH INTERESTS	Economic Resilience Environmental Policy Energy Policy Crime and Drug Policy Focuses include: <ul style="list-style-type: none">• Economic resilience measurement and theory• The effect of city planning on regional resilience• Role of insurance in regional resilience• Characterizing the environmental state and governance• The effect of drug and alcohol laws on arrest disparities	
INDUSTRY APPOINTMENTS	Nationwide Insurance Enterprise Analytics Office <i>Data Science Research Assistant</i>	Columbus, OH <i>Aug 2022 – Current</i>
	<ul style="list-style-type: none">• Diagnosed model production environment vulnerabilities. Assisted with the design of model monitoring procedures.	
ACADEMIC APPOINTMENTS	John Glenn College of Public Affairs <i>Graduate Research Assistant</i>	Columbus, OH <i>Aug 2019 – Current</i>
	<ul style="list-style-type: none">• With Dr. Lauren Jones: Created a database of sobriety checkpoint laws and assisted in analysing the effect of the laws on traffics 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. Assisted with the design and administration of a connected-communities survey.	
PUBLICATIONS	<ol style="list-style-type: none">1. N. Dormady, A. Rose, and C. B. Morin, "Advances in the empirical estimation of disaster resilience," in <i>Handbook on the Economics of Natural Disasters</i>, M. Skidmore, Ed., Cheltenham: Edward Elgar Press, 2022.2. N. Dormady, A. Rose, A. Roa-Henriquez, and C. B. Morin, "The cost-effectiveness of economic resilience," <i>International Journal of Production Economics</i>, 2021.	
WORKING PAPERS	<ol style="list-style-type: none">1. N. Dormady, C. B. Morin, and M. Pesavento, "Do consumers benefit from electricity deregulation?," <i>In Progress</i>.2. L. Jones and C. B. Morin, "The impact of banning sobriety checkpoints on traffic fatalities and impaired driving arrests," <i>In Progress</i>.3. C. B. Morin, "The effect of open space investment on regional resilience," <i>In Progress</i>.	

	<ol style="list-style-type: none"> 4. C. B. Morin and N. Dormady, “Empirical estimation of economic resilience to infrastructure disruptions,” <i>In Progress</i>. 5. C. Rea and C. B. Morin, “Longitudinal measurement of the latent capacity of federal agencies,” <i>In Progress</i>.
CONFERENCE PRESENTATIONS, INVITED TALKS	<ol style="list-style-type: none"> 1. The Effect of Sobriety Checkpoint Laws on Fatal Car Crashes and DUI Arrests, <i>The Association for Public Policy and Analysis (APPAM)</i>, Washington DC, Nov 2022. 2. Empirical Estimation of Economic Resilience to Infrastructure Disruptions, <i>North American Regional Science Council (NARSC)</i>, Virtual, Nov 2021. 3. Resilience Measurement and Estimation, <i>International Society for Integrated Disaster Risk Management (IDRiM)</i>, Virtual, Sep 2021 4. 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. 5. The Cost-Effectiveness of Economic Resilience, <i>The North American Regional Science Council (NARSC)</i>, Virtual, Nov 2020. 6. The Cost-Effectiveness of Economic Resilience, <i>The Association for Public Policy Analysis and Management (APPAM)</i>, Denver, Colorado, Nov 2019. 7. Guest Lecturer, <i>Measuring Resilience to Disasters for Planning (CRPLAN 6425)</i>, Columbus, OH Dec 2019. 8. 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"> • Nationwide Center for Advanced Customer Analytics Education Grant (\$500) 2022 • Glenn College Doctoral Student Travel Funds (\$1000) 2022 • Glenn College Doctoral Student Travel Funds (\$800) 2021 • ENGIE-Axium 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 • Summa Cum Laude, Columbus State Community College 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, RSelenium</p>

SOFTWARE	<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.	
PATENTS	<ul style="list-style-type: none"> • Dormady, N., Rose, A., Morin, C.B., Roa-Henriquez, A. (2022). <i>Business Resilience Decision Support Tool and Related Methods</i>. U.S. Patent No. 63/314,650. Filed February 28, 2022. Provisional patent 	
PROFESSIONAL SERVICE	Manuscript Referee <ul style="list-style-type: none"> • <i>Sustainability</i> 	
UNIVERSITY SERVICE	Glenn College's Doctor Student Organization <i>Event Chair</i>	Columbus, OH Aug 2020 – May 2021
	Glenn College's Technology Committee <i>Student Representative</i>	Columbus, OH Aug 2020 – May 2021