Morgan Holland, PhD

Résumé

☎ *(601) 572 7025*
✉ *mbholland@fsu.edu*
⌨ *morganbholland.github.io*

I am a PhD economist focused on economic and quantitative modeling, data analysis, and numerical methods.

Specializations

Economic and Quantitative Modeling
Applying economic thinking and mathematical modeling to support decision making. Specific experience with:
- Macroeconomic modeling, including
  - Real business cycles,
  - Economic growth and inequality.
- Financial contracting models under asymmetric information,
- Tax incidence modeling,
- Market analysis,
- Economic effects of infrastructure spending,
- Economic impact analysis.

Data Analysis
Choosing, implementing, and disseminating data analysis with a focus on causal inference and econometrics. Techniques implemented include, but are not limited to:
- Regression analysis,
- Limited dependent variable models,
- Longitudinal/panel data methods,
- Time series analysis,
- Factor analysis,
- GIS.

Numerical Methods
Supporting quantitative modeling with numerical programming, including:
- Choosing appropriate algorithms for nonlinear equation solving,
- Solving systems of differential equations with saddle-points using bijective reverse-shooting,
- Global and local maximization techniques for differentiable and nondifferentiable functions.

Education

July 2022 **Doctor of Philosophy in Economics**, *Florida State University COSSPP*.

Dec 2014 **Master of Arts in Economics**, *The University of South Carolina Moore School of Business*.

Dec 2010 **Bachelor of Business Administration**, *Mississippi College School of Business*.

May 2009 **Associate of Arts in Business Administration**, *Meridian Community College*.

Professional Positions

2021–Present **Senior Researcher**, *FSU Center for Economic Forecasting and Analysis*, Tallahassee (remote).
- Managing projects involving economic and statistical analysis both independently and in teams from initial contact with clients to finished reports.
- Communicating with clients and partners to define the scope of economic questions and resources needed for analysis.
- Collecting, organizing, and preparing data for analysis.
- Gathering and summarizing literature relevant to the context and methodology of client problems.
- Performing economic and econometric analyses to answer questions and provide solutions for clients and partners.
- Writing and presenting finished deliverables and reports according to contract specifications.
- See Applied Economic Analysis Experience for more details.

2015–2021 **Graduate Research/Teaching Assistant**, *Florida State University COSSPP*, Tallahassee.
- Managed classes of up to 45 students, both online and in-person.
- Developed custom instruction materials that integrated statistical software instruction, mathematical foundations of statistics, and practical applications of statistics to economic analysis.
- Conducted original academic research in economics, both independently and under the supervision of faculty.
- See Teaching Experience and Academic Research for more details.

2013 **Graduate Research Assistant**, *University of South Carolina, Moore School of Business*, Columbia.
- Located and retrieved ownership data from Initial Public Offering (IPO) prospectuses.
- Constructed custom spreadsheets of IPO data.
- Performed literature searches for scholarly articles on several subjects related to corporate finance.

2012–2013 **Auditor**, *South Carolina Office of Regulatory Staff*, Columbia.
- Advocated on behalf of the public in utility rate case proceedings before the South Carolina Public Service Commission.
- Audited utility rate case filings to verify the accuracy of financial data.
- Recommended adjustments to test-year revenue requirement analyses based on company financial data and rate case filings.
- Crafted written testimony to be filed with the South Carolina Public Service Commission.
- Reviewed nuclear plant construction invoices for compliance with the South Carolina Base Load Review Act and consistency with company financial documents.
- Examined telecommunications company filings and financial documents for compliance with telecommunications law.

2011–2012 **Accountant/Auditor**, *Mississippi Department of Finance and Administration*, Jackson.
- Audited payments to State Treasurer for errors.
- Assisted state agencies in completing payments to the State Treasury.
- Approved transactions in a computerized accounting system.
- Verified accuracy of daily deposits to the State Treasury.

Applied Economic Analysis Experience

Completed Projects

Florida State's Economic Impact. 2021 version based on 2020 data. `https://economic-impact.fsu.edu/`.

The Economic Impact of a Reduction in the Sales Tax on Manufactured Homes. `https://cefa.fsu.edu/sites/g/files/upcbnu1851/files/Final%20FMHA%20Report%202-15-22-CLEAN.pdf`

An Economic Impact Analysis of Humana/Humana Florida Medicaid in Florida.

The Economic Impact of NASCAR operations in Florida.

The Economic Impact of the McGriff Channel Dredging Project.

Ongoing Projects

An Economic Impact Analysis of Mosaic.

An Economic Impact Analysis of Eighteen Blueprint Projects and Three Traffic Flow Analyses.

An Economic Impact and Valuation Analysis of the Pensacola & Perdido Bay Estuary Program .

Academic Research

Morgan Holland. *The Role of Long-term and Short-term Risk in Relationship Banking*. (Working Paper)

Manoj Atolia, **Morgan Holland**, and Jonathan Kreamer. *Growth, Income Distribution, and Policy Implications of Automation*. (Submitted to the Journal of Economic Dynamics and Control)

Manoj Atolia, **Morgan Holland**, and Jonathan Kreamer. *Wage, Wealth, and Income Inequality from Automation*. (Working Paper)

Margaret Holland and **Morgan Holland**. *The Impact of the Americans with Disabilities Act on the Employment and Earnings of People with Disabilities: An Intersectional Approach*. (Working Paper)

Teaching Experience

Instructor

Average Rating: 4.38/5

2016–2021 **Analysis of Economic Data**. Upper-level course leading into Introduction to Econometrics.
- Developed custom instruction materials for statistics focusing on economic data.
- Integrated R programming to teach students practical data management and analytical tools.
- Engaged with students using real-world examples of using data analysis and econometrics to answer economic questions.
- Topics:
  - Data cleaning and preparation,
  - Probability,
  - Statistical hypothesis testing,
  - Linear regression.

2017-2020 **Introduction to Econometrics**
- Integrated R programming and econometric theory in the classroom and in online environments
- Topics:
  - Linear regression for causal analysis
  - Gauss-Markov theory and applications
  - Failures of the Gauss-Markov assumptions and the consequences for causal inference
  - Techniques for dealing with common failures of the Gauss-Markov assumptions
  - Real-world examples of econometric analysis, its successes, and limitations

Teaching Assistant

Financial Markets, Banking, and Monetary Policy

Economics of Population

Programming and Software

>10 years	Excel, Word, PowerPoint
5-10 years	R, Julia, Matlab, Stata
2-5 years	Python
1-2 years	SQL
<1 year	IMPLAN, JobsEQ, MongoDB

Fellowships, Memberships, Miscellaneous

2020-2021	Bartlett Fellowship for Excellence in Economic Education, Florida State University.
2015–2019	Johnson Fellowship, Florida State University.
2013–2015	Merit Scholarship, Moore School of Business.
2009-2010	Phi Theta Kappa Alumni Scholarship, Mississippi College.
2007-2009	Phi Theta Kappa member, Meridian Community College.
	PADI certified rescue diver.