Mengming Li

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EDUCATION

Doctor of Philosophy, Food and Resource Economics   (expected) May 2024

    University of Florida, Gainesville, FL, USA

    Dissertation title: Carbon Dioxide Emissions, Decarbonization Policies, and Employment in China

Master of Economics, Population, Resources, and Environmental Economics   July 2019

    University of Chinese Academy of Sciences, Beijing, China

    Thesis title: Impacts of China's Investment and Domestic Consumption on Output and Carbon Emissions of Certain Countries Along the "Belt and Road"

Bachelor of Science, Applied Computational Mathematics   July 2015

    Northwestern Polytechnical University, Xi'an, China

EMPLOYMENT

2019-Present	Graduate Research Assistant, Food and Resource Economics Department, University of Florida, FL
2021-2023	Graduate Intern, National Renewable Energy Laboratory, CO
2016-2019	Graduate Research Assistant, Institutes of Science and Development, Chinese Academy of Sciences, China

RESEARCH INTERESTS

- Economic Impact Analysis
- Environmental Impact Analysis
- Input-Output Analysis
- Regional Economics
- Applied Econometrics

RESEARCH EXPERIENCE

- Preliminary Assessment of Agricultural Losses and Damages resulting from Hurricane Idalia
  - Data Wrangling of raw Qualtrics survey data.
- Composite Red Tide Vulnerability Index (CRTVI): Assessing and communicating vulnerability

of coastal communities to red tide in Florida, funded by the Florida Fish and Wildlife Conservation Commission

- Collect county-monthly tax-related datasets for tourism, fishing, and public health industries in FL.

- Environmentally extended Multi-regional Projection of Life cycle and Occupational energY futures - EMPLOY, funded by the U.S. Department of Energy Bioenergy (DOE) Technologies Office (BETO)

  - Data compilation and estimation of annual greenhouse gas emissions in the U.S., and non-linear input-output estimation of greenhouse gas emissions coefficients of the U.S.

  - Data interface development to connect the multi-regional input-output (MRIO) tables published by the U.S. Environmental Protection Agency (EPA) and UF team.

  - Data cleaning of the national occupation dataset published by the Occupational Employment and Wage Statistics (OEWS) program of the U.S. Bureau of Labor Statistics.

  - Non-linear input-output estimation of state-level Personal Consumption Expenditures in the U.S.

- Comprehensive Review of California's Innovative Clean Transit Regulation, funded by the California Air Resources Board

  - Methodology development and data analysis for the impact of zero-emission vehicles in CA.

- Global Agricultural Production Evolution

  - R algorithm design to run an MRIO model and structural decomposition analysis (SDA) for global agricultural production evolution.

  - Innovative SDA decomposition formula of the effects of production input structure change, international trade, and final demand consumption change.

- Regionalization Methods for the U.S. Environmentally Extended Input-Output Model (USEEIO), funded by the U.S. EPA

  - Balancing validation for state-level MRIO tables of the U.S.

PEER-REVIEWED PUBLICATIONS

Li, Mo, João Pedro Ferreira, Christa D. Court, David Meyer, **Mengming Li**, and Wesley W. Ingwersen. 2022. "StateIO - Open Source Economic Input-Output Models for the 50 States of the United States of America." *International Regional Science Review*, December, 016001762211458. https://doi.org/10.1177/01600176221145874.

Zhang, Pei, Jiaoe Wang, **Mengming Li**, and Fan Xiao. 2022. "Research on the Mechanism of Information Infrastructure Affecting Industrial Structure Upgrading." *Scientific Reports* 12 (1): 19962. https://doi.org/10.1038/s41598-022-24507-9.

Wang, Mingyue, Yingming Li, **Mengming Li**, Wenqiang Shi, and Shuiping Quan. 2019. "Will Carbon Tax Affect the Strategy and Performance of Low-Carbon Technology Sharing between Enterprises?" *Journal of Cleaner Production* 210 (February): 724–37. https://doi.org/10.1016/j.jclepro.2018.10.321.

Wang, Mingyue, Yingming Li, **Mengming Li**, Ling Wan, Lu Miao, and Xiaowan Wang. 2019. "A Comparative Study on Recycling Amount and Rate of Used Products under Different Regulatory Scenarios." *Journal of Cleaner Production* 235 (October): 1153–69. https://doi.org/10.1016/j.jclepro.2019.06.320.

TECHNICAL REPORTS

Jeffers, Matthew, Kelly, Kenneth, Lipman, Timothy, Fernandes Tomon Avelino, Andre, Johnson, Caley, **Li, Mengming**, Post, Matthew, and Zhang, Yimin. 2022. "Comprehensive Review of California's Innovative Clean Transit Regulation: Phase I Summary Report". United States. https://doi.org/10.2172/1892294. https://www.osti.gov/servlets/purl/1892294.

WORKING PAPER

"Structural Decomposition Analysis of Global Agricultural Production from 2000 to 2014" with Joao-Pedro Ferreira and Christa Court. (In preparation for the *American Journal of Agricultural Economics*)

"The Mass Public's Science Literacy and Co-production During the COVID-19 Pandemic: Empirical Evidence From 140 Cities in China" with Haibo Qin, Zhongxuan Xie, and Huping Shang. (Submitted to *Humanities and Social Sciences Communications*)

BOOK REVIEW

Court, Christa, Botta, Robert, Ferreira, João, **Li, Mengming**. (2020). Book Review - Miller, R. and Blair, P. (2009) Input-Output Analysis: Foundations and Extensions, Second Edition, Cambridge University Press. ISBN: 9780521517133.

ACADEMIC PRESENTATIONS

2023, 62nd Annual Meeting of Southern Regional Science Association, Savannah, GA

2022, 61st Annual Meeting of Southern Regional Science Association, Austin, TX

2021, 68th North American Meetings of the Regional Science Association International, Denver, CO

2021, 51st Annual Meeting of Mid-Continent Regional Science Association, online

2021, 60th Annual Meeting of Southern Regional Science Association, online

TEACHING EXPERIENCE

Teaching Assistant, University of Florida, FL

AEB 4282, International Humanitarian Assistance	Spring 2022
AEB 3281, Agricultural Macroeconomics	Spring 2022
AEB 3144, Introduction to Agricultural Finance	Spring 2021, Spring 2020, Fall 2019

HONORS & AWARDS

Harold B. Clark Award, Food and Resource Economics Department, University of Florida, 2020

Grinter Fellowship, Food and Resource Economics Department, University of Florida, 2019

Fully Funded Doctoral Program, University of Florida, 2019 - Present

PROFESSIONAL MEMBERSHIPS

Southern Regional Science Association (SRSA)

North American Regional Science Council (NARSC)

SKILLS

Language: Mandarin (native), English (fluent)

Software: R, MATLAB, Stata, Qualtrics, GAMS, SAS, GeoDa, ArcGIS