

Mona Ray

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Current Position

Professor, Department of Economics, Morehouse College, Atlanta, GA

Education

Ph.D. in Applied Economics, Clemson University, SC, USA, 1999
Specialization: Environmental Economics.

Master of Arts in Economics, University of Kalyani, WB, India, 1987
Specialization: Econometrics.
Academic Honor: Second, with First Class

Bachelor of Arts in Economics, University of Kalyani, WB, India 1984
Minor: Sociology.
Academic Honor: First, with First Class
Award: Governor's Fellowship

Fields of Interest

Environmental Economics
Economic Development
Gender Studies
Urban Economics
Pedagogy

Employment

Associate Professor, Department of Economics, Morehouse College, GA,
August 2010 – present.

Assistant Professor, Department of Economics, Morehouse College, GA,
August 2002 – July 2010.

Visiting Associate Professor, Department of Economics, Emory University, GA,
August 2016 – July 2020

Part-time faculty at Georgia Gwinnett College, Lawrenceville, GA, 2013

Adjunct Faculty at Emory University, Department of Economics, Emory College, GA,
August 2000 – August 2001

Part-time faculty at Georgia State University, Department of Economics, Andrew Young School
of Policy Studies, GA, August 2001 – May 2002, August 1999 – April 2000.

Graduate Teaching Assistant in the Department of Experimental Statistics,
Clemson University, S.C. August 1993 – December 1998.

Courses Taught

Morehouse College - Urban Economics
 Principles of Microeconomics
 Principles of Macroeconomics
 Business Statistics
 Environmental Economics
 International Trade and Logistics
 Special Topics in Bio Business

Emory University - International Trade
 Intermediate Macroeconomics
 Environmental Economics
 Principles of Macroeconomics
 Intermediate Microeconomics

Georgia Gwinnett College -Principles of Economics

Georgia State University - Principles of Macroeconomics

Clemson University - Experimental Statistics

Skills

Proficient in Microsoft Excel, Word, & PowerPoint

Working knowledge of GIS, Tableau, R, Python

Efficient in statistical package of SAS, SPSS, & STATA

Online teaching experience on D2L, Blackboard, and Canvas platforms of LMS and Zoom.

Research Experience

Environmental Justice:

- **USA (2016-2020)**-This project involved measuring environmental justice among the black and white population living around the Atlanta Hartsfield-Jackson airport area caused by airport noise pollution. The EJ is quantified through the disproportionate exposure to aircraft noise pollution causing health problems to the citizens. This research was funded by a mini grant from the Morehouse Public Health Science Institute.

Sustainability:

- **USA (2016-present)**-This project involves performing a cost-benefit analysis in setting up an Aquaponics system on campus to illustrate the concept of sustainability to the Atlanta University Center specifically, and the West End community at large. This system will also help mitigate the problem of food desert in the West End area. Collaborating with community gardens like Truly Living Well, 3x3 project and the non-profit organization Georgia STAND-UP.
- **Haiti (2016)** – Visited Haiti with a group of students on a sustainability service-learning project. This project involved guiding the low-income population in rural Haiti on how to build sanitized toilets. The students also learnt from the community how to best share scarce resources like water, electricity, and food while practicing sustainable living.
- **Costa Rica (2006)** – Visited the country in the Monteverde area with a group of faculties of the ICPSR learning about biodiversity as part of the faculty development seminar. The trip enriched the participants’ understanding of living in harmony with Nature and helped them to go back and infuse the concept of sustainability in their curriculums.

Community Revitalization:

- **USA (2020-2021)** – Actively involved with a non-profit organization [RCE ATL](#) in project Drawdown Georgia to revitalize Metro Atlanta area in sectors of Transportation, Electricity, Food & Agriculture, Buildings Materials, and Land Sinks. During this period, while working as visiting faculty at Emory University I was also engaged with a non-profit organization [Center for Sustainable Communities, Atlanta](#) as the Assistant Director of Sustainability. Helped to revitalize the communities in Hampton Roads, Virginia through formation of ECO Districts.
- **USA (2014-15)** - Actively involved with the stakeholders in the West End area in planning the revitalization project related to the Atlanta Belt Line. Helped the small business in their cost-benefit analysis for the impact of the Belt Line on their business profitability.
- **India (2008-10)** – In this pilot research granted by CDC, the focus was on measuring economic impact of HIV/AIDS prevention programs for Indian women living in socio-economic disparities This research involved working with Indian women sex-workers in the city of Kolkata, West Bengal who were HIV/AIDS positive. Helped the organization to development an index to measure their socio-economic-health condition improvement due to participation in the HIV/AIDS prevention programs.
- **Ghana ((2012)** – Involved in helping the local women obtain micro-finance to continue and or expand their business of food vending. These women have a community bonding with the Queen Mothers and were very sincere in setting up their business plans to obtain the finances.
- **Bangladesh (2012)** – Visited the Grameen Bank and worked under the guidance of Prof. Muhammed Yunus for two weeks in the rural area of Comilla. This project involved promoting the concept of ‘social business’ among the village women who were being supported through micro-finance schemes to solve the problem of resource scarcity in their area.

- **Mexico (2006)** – Visited the small village of Afro-Mexicans in Pinotepa Nacional, Oaxaca. This project involved helping the poor fishermen and farmers to set-up a business plan to commercialize their product. Due to lack of business knowledge, they were restricted to subsistence farming.

PhD Dissertation

Effectiveness of Credit Pooling Techniques for Infrastructure Development in Rural Communities: A Quasi-Experimental Analysis

The research was to assess the effectiveness of credit pools in enhancing economic development in the rural communities in the southeastern States of Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee. It was funded by the Tennessee Valley Authority (TVA). It made both an intra- as well as an inter-state comparative study (using the method of quasi-experimentation), of the effectiveness of the credit pooling system by creating four different models. The empirical results indicate that the credit pooling financing technique has some positive impact on the economy by raising the per capita income and income growth in some of the important sectors of the economy.

Publication Under Review

Ray, Mona: “*Commuting, Labor Supply, and Work-Family-Conflict Under the New-Norm of ‘Work-from-Home’ Due to COVID-19*” submitted to the journal **Review of Socio-Economic Perspective** on March 1, 2024 and is currently under review.

Publications

Peer Reviewed Journals

Ray, Mona, Emmanuel Onifade: *Transitioning to Online or Not: Analysis of The Engagement And Preferences Of Learners*, in the **Journal of International Business and Economics**, March 2022, Vol 22, No. 1, pp 5-23. International Academy of Business and Economics Publishers <http://dx.doi.org/10.18374/JIBE-22-1.1>

Ray, Mona: *Environmental Justice: Segregation, Noise Pollution, and Health Disparities near the Hartsfield-Jackson Airport Area in Atlanta*, in **The Review of Black Political Economy**, Online First, December 20, 2021, Sage Publications. <https://doi.org/10.1177/00346446211065176>

Ray, Mona: “*Urban-Suburban Disparity in Program Effectiveness Fostering Self-Reliance Among Indian Sex-Workers*” in **Asian Journal of Economics and Finance**, March 2020, Vol. 2, No. 2. ARF India Publishers. (0 citation) www.arfjournals.com/ajef

Ray, Mona, Emmanuel Onifade, Carolyn Davis: “*Using ‘Happy’ Or ‘Sad’ Face in A Decision-Making Grid to Motivate Students to Improve Academic Success*”, in **International Review of Economics Education**, January 2019, Vol. 30. Elsevier Publishers. <https://doi.org/10.1016/j.iree.2018.03.006>

Ray, Mona: “*Teaching Economics Using ‘Cases’ – Going Beyond the ‘Chalk-and-Talk’ Method*”, in **International Review of Economics Education**, January 2018, Vol. 27, pp 1-9. Elsevier Publishers, <https://doi.org/10.1016/j.iree.2017.12.001>

Ray, Mona: “*Intervention Program Impacting Indian Sex-Workers Facing Socio-Economic Disparities*” in **International Journal of Social Economics** June 2016, Vol. 43, No. 6, pp 593-603. Emerald Group Publishing Limited <https://doi.org/10.1108/IJSE-10-2014-0216>

Ray, Mona, Emmanuel Onifade, Carolyn Davis: “*Improving Students’ Performance: Using the Decision-Making Questionnaire to Focus on Students’ Retrospective and Prospective Cognitive Activities*” in **Journal of International Business and Economics**, June 2015, Vol.15, No.2, pp 39-52. <http://dx.doi.org/10.18374/JIBE-15-2.3>

Ray, Mona: “*Redefining the Human Development Index to Account for Sustainability*” in **Atlantic Economic Journal**, September 2014, Vol.42, No. 3, pp 305-316. Springer Publishers. <https://doi.org/10.1007/s11293-014-9424-4>

Ray, Mona: “*When to Learn Statistics -Morning or Afternoon?*” **Academic Exchange Quarterly**, Spring 2010, Vol. 14, No. 1. <http://rapidintellect.com/AEQweb/spr2010.htm>

Ray, Mona: “*Factors Influencing African-American Population Concentration In The Metro Atlanta Area*”, **International Journal of Global Business and Economics**, June 2009, Vol. 2, No. 2.

Hollingsworth, Keith and Ray, Mona: “*From Micro Enterprises to Small Businesses in Rural Mexico: The Next Step,*” in **Challenge**, Spring 2006, Vol. 12, No. 1

Hite, James C. and Ray, Mona: “*Effectiveness of Credit Pooling In Financing Infrastructure for Economic Growth in Southern Rural Counties A Quasi-Experimental Approach*” in **The Review of Regional Studies**, summer 2006, Vol.36, No. 1. <https://rrs.scholasticahq.com/issue/1303>

Ray, Mona: “*Options for Financing Infrastructural Facilities in Rural Counties - A Discussion*” in **The e-journal of business and economic issues**, Fall 2006, Vol. 2, No. 1. <http://www.subr.edu/index.cfm/page/128>

Proceedings

Ray, Mona: “*Accounting for Sustainability – Greening the Human Development Index*”, in 2nd Annual International Conference on Micro and Macro Economics **Conference Proceedings**, July 23-24, 2012

Ray, Mona: “*African American and White Population Concentration in the Metro Atlanta Area – A Spatial Analysis*”, NAAAS 17th Annual Conference **Monograph Series**, February 9-14, 2009

Ray, Mona: “*Impact of HIV/AIDS Prevention Programs on Indian Sex-workers Living in Socio-Economic Disparities*”, in the FOTIM Gender Studies **Conference Proceedings**, Jan 17-19, 2006.

Bhattacharya, Sutanu and Ray, Mona: “*Decentralization of Industrial Activity and the Growth of the Small-Scale Sector - A New Dimension of India’s Industrialization in the Changing Technological Scenario,*” in **The Indian Economic Association**, 73rd Annual Conference Volume, Muzaffarpur, Dec 28-30, 1990.

Working Paper & Contract Paper

Ray, Mona: “*A Spatial Analysis of African American and White Population Concentration in the Metro Atlanta Area*” **SSRN Urban Economics and Regional Studies e-Journal** Vol. 7, No. 175, Nov 7, 2014, http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2511859

Ray, Mona: “*Does the Hour of Day Affect Learning Statistics?*” **SSRN Working Paper Series**, August 2009. http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1464365

Hite, James C. and Ray, Mona: "*A Quasi-Experimental Analysis of the Effectiveness of Credit Pooling for Infrastructure Financing on Economic Growth in Rural Southern Counties*," **Contract Paper**, Department of Agricultural Economics, University of Kentucky, TVA Rural Studies Program, May 2000.

Henry, Mark S. and Ray, Mona: "*Using Categorical Models to Relate Landscaping Features to Overall Landscaping Quality Scores*," **Working Paper**, Department of Agriculture and Applied Economics, Clemson University, August 1993.

Presentations

"*Transitioning to Online or Not: Analysis of The Engagement And Preferences Of Learners*", (IABE-2022, Orlando) International Academy of Business and Economics Conference, Orlando, March 20-21, 2022.

"*Teaching Economics Using 'Cases' – Going Beyond the 'Chalk-And-Talk' Method*", 19th Annual St. Louis Fed Professors Conference (virtual), November 4 -5, 2021

"*The Historically Black College and University: A Way Forward to a Stronger Minority Economy*.", Webinar hosted by International Economic Development Council (IEDC), November 23, 2020, 3.00-4.30 EST. Recording can be viewed at <https://www.iedconline.org/pages/takingaction/>

"*Measuring Regional Program Effectiveness in Fostering Self-Reliance Among Indian Sex-Workers*", GAEF Annual Conference, Pine Mountains, GA, April 18-19, 2019

"*Health Disparities and Environmental Justice Measured By Black/White Differences In Exposure To Airport Noise Pollution In Atlanta*", GAEF Annual Conference, Young Harris, GA, April 6-7, 2017

"*Using a Decision-Making Grid to Motivate Students Improve Academic Success*", AEA Conference on Teaching and Research in Economics Education, Atlanta, GA, June 1-3, 2016

"*Disparity in Self-Reliance among Sex-Workers in Urban and Suburban areas – a case in India*", Paper presented at the 90th Annual Conference of Western Economic Association International, Hawaii, June 28 –July 2, 2015.

"*Accounting for Sustainability – Greening the Human Development Index*", Paper presented at the 2nd Annual International Conference on Micro and Macro Economics, Singapore, July 23-24, 2012.

"*Using 'Cases' as Teaching Innovations in Environmental Economics Course*", Paper presented at the 80th SEA annual meeting, November 20-22, 2010, Atlanta, GA.

"*African American and White Population Concentration in the Metro Atlanta Area-A Spatial Analysis*", Paper presented at the 17th annual NAAAS conference, February 9-14, 2009, Baton Rouge, LA

"*Factors Influencing African-American Population Concentration In The Metro Atlanta Area*", Paper presented at the BEI's International Conference, December 14-17, 2008, Las Vegas, Nevada.

“Impact Of HIV/AIDS Prevention Programs on Indian Sex-Workers Living in Socio-Economic Disparities”, Paper presented at the FOTIM International Conference on Gender Studies, Johannesburg, South Africa, January 17-19, 2006.

“Women in India and Mali and their socio-economic empowerment in the new millennium” Paper presented at the 5th Annual IAABD Conference, April 7-10, 2004, Georgia State University, Atlanta, GA

“A Quasi-Experimental Analysis of the Effectiveness of Credit Pooling for Infrastructure Financing of Economic Growth in Rural Southern Counties”, Paper presented at the SRSA 38th Annual Meeting, April 1999, Richmond, Virginia.

“Incorporating Natural Resources in National Income Accounting”, Paper presented at the NAREA Annual Conference June 1996, Atlantic City, New Jersey.

Work in Planning/Progress

Using GIS to locate urban farming to solve the food desert problem in the 10-county metro Atlanta area.

Writing a book: “Sustainable Practices Through the Lens of an Environmental Economist”

Community Involvement

Senior Fellow at UN SDSN since 2018.

Assistant Director of Sustainability at Center for Sustainable Communities, Atlanta, (a non-profit organization) since May 2020.

Serving as the Director of the Morehouse Sustainability Minor created by the Morehouse Institute of Sustainable Energy in 2012.

Serve on the Technical Advisory Committee of Atlanta Regional Commission Series 17 Forecast. Served on their TAC for the REMI model version 9.1, January-April 2018

Serving on the UN sponsored RCE Greater Atlanta Chapter since 2016.

Serving on the IRB (Institutional Review Board for Research involving Human Subjects) of Morehouse College since 2006.

Serving as the Co-Chair for the Morehouse Education Abroad Committee since November 2020.

Serving on Morehouse Faculty Council Committee since Spring 2022. Previously served on FC from 2005-2011.

Served on the Morehouse Faculty Grievance Committee, 2020.

Served on Morehouse Faculty Welfare Committee, 2008- 2012

Served on Morehouse Curriculum & Education Policy Committee, 2016-2017

Professional Association

AEA – American Economic Association

AERE – Association of Environmental and Resource Economists.

AASHE – Association for the advancement in Sustainability in Higher Education.

HBCUGISG – Historically Black Colleges & Universities GIS group.

RCE Greater Atlanta- Regional Center of Expertise in Education for Sustainable Development.

SDSN – Sustainable Development Solutions Network

QQE - International Conference on Qualitative and Quantitative Research

International Journal of Social Economics (Emerald Publications) – Associate Editor

Social Indicators Research (Springer Publications) – Reviewer