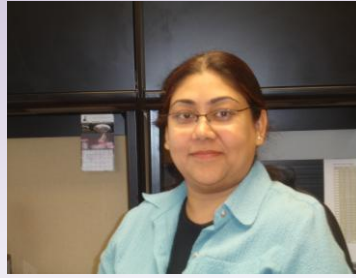


Mona Ray

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- Current Position:** Associate Professor, Department of Economics, Morehouse College, Atlanta, GA
- Research Interest:** Health Economics, Environmental Economics, Economic Development.
- Education:** Ph.D. in Applied Economics from Clemson University, SC, USA, 1999
Specialization: Environmental Economics.
- M.A in Economics, University of Kalyani, WB, India, 1987
Specialization: Econometrics.
- B.A. University of Kalyani, WB, India 1984
Major: Economics, Minor: Sociology.
- Teaching Experience:** Associate Professor, Department of Economics, Morehouse College, GA, August 2010 – Present. Teach Principles of Micro and Macro Economics; Business Statistics; and Environmental Economics. (*Preparing to teach a special topics class in spring 2013 on 'Energy Policy'*)
- Assistant Professor, Department of Economics, Morehouse College, GA, August 2002 – July 2010. Teach Principles of Micro and Macro Economics; Business Statistics; and Environmental Economics.
- 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. Teaching: Principles of Microeconomics and Principles of Macroeconomics Average class strength: 75 students.
- Visiting Faculty at Emory University, Department of Economics, Emory College, GA, August 2000 – August 2001. Work responsibilities: Teaching Principles of Microeconomics, Intermediate Macroeconomics, and Intermediate Microeconomics. Average class strength: 60 students.
- Graduate Teaching Assistant in the Department of Experimental Statistics, Clemson University, S.C. 1993 - 1998. Taught undergraduate Introductory Statistics course.
- Graduate Teaching Assistant in the Department of Economics, University

of Kalyani, India. 1988 - 1990. Taught introductory Micro and Macroeconomics courses.

Research Experience: August 2011- March 2012: “Greening the National Income Accounting to Account for Sustainability” developed an index to measure the environmental stress involved in a country’s economic development.

May 2010 – present: “Internalizing the ‘Externality’ by switching from ‘Fossil Fuel’ to ‘Renewable Energy’ Sources for Power Generation in US” a study funded by the department of Energy, USA.

June 2003- present: Focusing on a pilot research granted by CDC for “Measuring Economic Impact of HIV/AIDS Prevention programs for Indian Women Living in Socio-Economic Disparities”. This research involves the study of the performance of the existing HIV/AIDS prevention programs in the major metropolitan cities of India targeting women of age 15-49 years.

August 2002 - present: Studying the impact of shrimp imports on the domestic shrimp industry along the southern eastern coasts of USA. This project involves two other faculties from Emory University and Georgia Southern University.

July 2005 – January 2006: Conducting a study on the economic development of the Afro-Mexican community in the Costa Chica region of Mexico.

1992 - 1993. Project: Evaluation of different landscaping characteristics on overall quality of landscaping and how it helps in evaluating property value. This horticultural project used SAS as the main statistical package. Categorical models (CATMOD) were used to test the association between the different landscape characteristics and the overall landscape appeal.

1990 - 1991. Project: Educational enrolment and public expenditure on education in India during 1955-1985: A trend demographic analysis. This research involved huge TS & CS data sets on which extensive regression analysis was conducted to study the correlation between public expenditure in education and growth in enrolment in the educational institutions at the various levels of instruction.

PhD Dissertation: *Effectiveness of Credit Pooling Techniques for Infrastructure Development in Rural Communities: A Quasi-Experimental Analysis* The objective 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. This research 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: 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: “*When to Learn Statistics -Morning or Afternoon?*”, **Academic Exchange Quarterly**, Spring 2010, Vol 14, No. 1

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

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: “*Does the Hour of Day Affect Learning Statistics?*”, **SSRN Working Paper Series**, August, 2009.

http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1464365

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.

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, Issue # 1.

http://www.business.subr.edu/online_journal.html

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.

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.

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.

Presentation: “*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 Progress

Developing an Index to Measure Economic Self-Reliance among HIV/AIDS Infected Sex-Workers – A Case in India

Impact of Shrimp Imports on domestic harvest in the Gulf Coast and South Atlantic Coast of United States.

Disproportionate Impact of Rising Energy Prices on African American Families

Health Disparities and Environmental Justice measured by Black/White differences in exposure to airport noise pollution in Atlanta.

Community Involvement: Senior Fellow at the M-WISE since 2010 involved in creating the Energy Minor program at Morehouse College.

Appointed as the Environmental Economist Coordinator for Morehouse College by the Associated Colleges of South (ACS) in 2003

Serving on curriculum assessment committee in the department since 2011

Serving as the Associate Director of Brisbane Institute at MH College since 2005

Serving as the secretary of the Faculty Council Committee at Morehouse College since 2005

Active member of the Faculty Welfare Committee of the college since 2007.

Serving on the IRB of the college since 2006.

Served as the minutes-keeper at the divisional meetings 2003.-2008

Professional Association: AEA – American Economic Association.

HBCUGISG – Historically Black Colleges & Universities GIS group.

AERE – Association of Environmental and Resource Economists.

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

SEA – Southern Economic Association