

Atrayee Ghosh Roy

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Citizenship: U.S. Citizen

Education:

Ph.D. in Economics (1997), University of Nebraska-Lincoln, Nebraska.
M.Sc. in Economics (1988), University of Calcutta, India.
B.Sc. in Economics (1986), University of Calcutta, India.

Fields of Specialization:

Public Finance
Econometrics
International Economics

Work Experience:

Academic

- Professor: Department of Economics, Minnesota State University, Mankato, Minnesota, July 2010 - Present.
- Associate Professor: Department of Economics, Minnesota State University, Mankato, Minnesota, July 2005 – June 2010.
- Assistant Professor: Department of Economics, Minnesota State University, Mankato, Minnesota, August 2001- June 2005.
- Assistant Professor: Department of Economics, Morningside College, Sioux City, Iowa, August 1998-May 2001.

Courses taught: Statistics for Business and Economics, International Economics, Principles of Microeconomics, Principles of Macroeconomics, Public Finance, Econometrics, Macroeconomics, Microeconomics, Economic Development.

- Visiting Assistant Professor: Department of Economics, University of Nebraska-Lincoln, Nebraska, summer, June 5, 2000-July 7, 2000.

Course taught: Intermediate Macroeconomics

- Graduate Teaching Assistant: Department of Economics, University of Nebraska-Lincoln, Nebraska, August 1993-June 1996.

Courses taught: Principles of Macroeconomics, International Economics.

Service Activity

- Elected member of the Minnesota State University, Mankato Research Committee (Fall 2013 – Fall 2015)
- External reviewer for faculty promotion, University of Minnesota, Duluth.
- Faculty advisor to economics students' Club.
- Served and continue to serve on department and college committees.
- Served and continue to serve as academic adviser to Economics majors and minors.

Business

- Senior Economic Cost Analyst: Aliant Communications Co., Lincoln, Nebraska, July 1997-August 1998.
- Associate Economic Cost Analyst: Aliant Communications Co., Lincoln, Nebraska, December 1996-June 1997.

Responsibilities: Building econometric models to forecast risk-adjusted forward-looking cost of capital, and analyzing different cost proxy models for unbundled network elements, and universal service support.

- Forecast Consultant (paid summer internship): Peoples Natural Gas, Omaha, Nebraska, May 1993-July 1993.

Responsibilities: Forecasting the future demand for gas using econometric models and writing weekly reports illustrating forecasting methods and analyzing results.

Publications:

Refereed Journal Articles

- **Ghosh Roy, Atrayee.** 2021. "Pedagogy and Student Learning Outcomes in Elementary Schools in Rural India: A Quasi-Experimental Approach," *Journal of Social and Economic Statistics*, 10 (1-2), doi: 10.2478/jses-2021-0001.
- **Ghosh Roy, Atrayee.** 2019. "Economic Growth, Gender Equality and the Demographic Transition in India," *International Research Journal of Applied Finance*, 10(1), 55-68.

- **Ghosh Roy, Atrayee.** 2018. "Infrastructure Investment and the Indian Economy," *Bulletin of Applied Economics*, **5(1)**, 29-38.
- **Ghosh Roy, Atrayee.** 2017. "Economic Globalization and Gender Equality: A Case Study of India," *Journal of Advances in Economics and Finance*, **2(2)**, 117-126.
- **Ghosh Roy, Atrayee.** 2012. "Revisiting the Relationship between Economic Growth and Government Size," *Economics Research International*. **Vol. 2012**, Article ID 383812, doi:10.1155/2012/383812.
- **Ghosh Roy, Atrayee.** 2012. "U.S. Foreign Indebtedness, Monetary Policy, and Economic Growth," *International Journal of Economic Perspectives*. **6(2)**, 188-196.
- **Ghosh Roy, Atrayee,** and Hendrik Van den Berg. 2009. "How Important Is Domestic Saving for U.S. Economic Growth? A Time-Series Analysis," *International Journal of Economics*, **3**, 77-93.
- **Ghosh Roy, Atrayee,** and Hendrik Van den Berg. 2009. "Budget deficits and U.S. economic growth," *Economics Bulletin*, **29**, 3015-3030.
- **Ghosh Roy, Atrayee.** 2009. "Evidence on Economic Growth and Government Size," *Applied Economics*, **41**, 607-614.
- **Ghosh Roy, Atrayee,** John E. Anderson, and James R. Schmidt. 2006. "Housing Tax Deductions and Single-Family Housing Demand," *International Journal of Applied Economics*, **3**, 2, 48-64.
- **Ghosh Roy, Atrayee,** and Hendrik Van den Berg. 2006. "Foreign Direct Investment and Economic Growth: A Time-Series Analysis," *Global Economy Journal*, **6**, 1-19.
- Anderson, John E., **Atrayee Ghosh Roy,** and Paul A. Shoemaker. 2003. "Confidence Intervals for the Suits Index," *National Tax Journal*, **LV1**, 1, 81-90.
- Anderson, John E., and **Atrayee Ghosh Roy.** 2001. "Eliminating Housing Tax Preferences: A Distributional Analysis," *Journal of Housing Economics*, **10**, 41-58.
- **Ghosh Roy, Atrayee,** and Hendrik Van den Berg. 2000. "Are Petroleum Exports an Engine for Growth?: Time-Series Evidence for Five Oil Exporters," *Journal of Energy and Development*, **26**, 55-69
- **Ghosh Roy, Atrayee,** and Hendrik Van den Berg. 1996. "Mexico's Futile Attempt to Defy Purchasing Power Parity," *Applied Economics Letters*, **3**, 395-399.

Book Chapters

- **Ghosh Roy, Atrayee.** 2017. "Analyzing the Growth Effect of Transportation Investment," in *Progress in Economics Research*, Vol 37, Albert Tavidze, Ed., Hauppauge, New York: Nova.

- **Ghosh Roy, Atrayee.** 2014. "Is It Possible to Restore Economic Growth without a Housing Boom, in Tara Abrahams (Ed.) *Economic Growth in the 21st Century: New Research*, Hauppauge, New York: Nova.

Book Reviews Published in Refereed Journals:

- **Ghosh Roy, Atrayee.** 2007. Review of Martin Wolf's book, titled "Why Globalization Works," Yale University Press, New Haven and London, published in the *Indian Journal of Economics & Business*, **6**, 1, 145-146.
- **Ghosh Roy, Atrayee.** 2004. Review of C. Fred Bergsten and C. Randall's book titled "Global Economic Leadership and the Group of Seven": Institute for International Economics, published in the *Indian Journal of Economics & Business*, **3**, 1, 211-213.

Research Support:

Completed Research Support

- Prescription Drug Monitoring Programs and the U.S. Opioid Epidemic, Grant Writing Incentive Award, Minnesota State University, Mankato, Fall/Winter 2020.

Role on Grant: **Atrayee Ghosh Roy, Principal Investigator**

- Ability Grouping, Tracking and Student Education Outcomes: A Comparative Study of Singapore and the United States, Faculty Improvement Grant, Minnesota State University, Mankato, October 2018 - June 2019.

Role on Grant: **Atrayee Ghosh Roy, Principal Investigator**
Location of work – Singapore, June 2019.

- Racial Academic Achievement gaps in Minnesota: Causes, Consequences and Policy Implications, Faculty Research Grant, Minnesota State University, Mankato, December 2016 – January 2018.

Role on Grant: **Atrayee Ghosh Roy, Principal Investigator**
Phillip Miller, Co-investigator

Research Support (Not Funded)

- Prescription Drug Monitoring Programs and the U.S. Opioid Epidemic.

Role on Grant: **Atrayee Ghosh Roy, Principal Investigator**
Amount of Funding Requested: \$135,564
Funding Agency: National Institute of Health (NIH)
Submitted on October 14, 2021
Duration of Grant: 2 Years

- Educational Technology, Student Achievement and the Racial Academic Achievement Gap: A Case Study of Minnesota Public Schools

Role on Grant: **Atrayee Ghosh Roy, Principal Investigator**

Phillip Miller, Co-investigator

Timothy Berry, Co-investigator

Amount of Funding Requested: \$1.37 million

Funding Agency: Institute of Education Sciences

Submitted on August 21, 2018

Dates of Grant: 8/31/2019 – 7/31/2023

Work in Progress:

- **Ghosh Roy, Atrayee**, “Prescription Drug Monitoring Programs and the U.S. Opioid Epidemic.”

Invited Teaching Overseas (Beijing, China):

- Taught Analysis of Global Economic Conditions in Wright State University’s China Executive MBA Program at Beijing Capital University of Economics and Business, Fall Quarter 2008.

Invited Presentations – Conferences, Seminars:

- **Ghosh Roy, Atrayee** “Revisiting the Relationship between Economic Growth and Government Size,” presented at the Clark/England Centennial Celebration and Conference, Lincoln, NE, April 8, 2011.
- **Ghosh Roy, Atrayee**, and Hendrik Van den Berg. “Twin Deficits and Hard Landings: Estimating the Effect of Budget Deficits on Long-Run U.S. Economic Growth (revised),” seminar presented at the Department of Economics, Bowling Green State University, Bowling Green, Ohio, November 5, 2008.
- **Ghosh Roy, Atrayee**, “Evidence on Economic Growth and Government Size (revised),” seminar presented at the Department of Economics, Wright State University, Dayton, Ohio, October 17, 2008.
- **Ghosh Roy, Atrayee**. “Economic Growth and Government Size: A Time-Series Approach,” presented at the Clark/England Centennial Celebration and Conference, Lincoln, NE, March 24, 2006.
- **Ghosh Roy, Atrayee**. “Homeowner Tax Preferences, Housing Demand, and Vertical Equity: Theoretical, Empirical, and Policy Analyses,” presented at the American Real Estate Society annual meeting, Sarasota, FL, April 16, 1997.

Paper Presentations - Conferences:

- **Ghosh Roy, Atrayee**, and Kwang Woo Park “The Demographic Transition and the Indian Economy: A Time-Series Analysis,” presented at the Western Economic Association 93rd Annual Conference, Vancouver, Canada, June 28, 2018.
- **Ghosh Roy, Atrayee**, “Infrastructure Investment and the Indian Economy,” presented at the Western Economic Association 92nd Annual Conference, San Diego, California, June 26, 2017.
- **Ghosh Roy, Atrayee**, “Economic Globalization and Gender Equality: A Case Study of India,” presented at the Western Economic Association 91st Annual Conference, Portland, Oregon, July 3, 2016.
- **Ghosh Roy, Atrayee**, “Analyzing the Growth Effect of Transportation Investment.” presented at the Western Economic Association 90th Annual Conference, Honolulu, Hawaii, July 1, 2015.
- **Ghosh Roy, Atrayee**, “Is It Possible to Restore Economic Growth without a Housing Boom?” presented at the Midwest Economics Association, Columbus, Ohio, March 23, 2013.
- **Ghosh Roy, Atrayee**, “U.S. Foreign Indebtedness, Monetary Policy and Economic Growth,” presented at the annual national conference, organized by the American Economic Association, Denver, CO, January 7, 2011.
- **Ghosh Roy, Atrayee**. “Evidence on Government Size and Economic Growth Revisited,” presented at the annual national conference, organized by the American Economic Association, Atlanta, GA, January 3, 2010.
- **Ghosh Roy, Atrayee**, and Hendrik Van den Berg. “How Important is Domestic Saving for U.S. Economic Growth,” presented at the annual national conference, organized by the American Economic Association, San Francisco, CA, January 4, 2009.
- **Ghosh Roy, Atrayee**, and Hendrik Van den Berg. “Trade and Indian Economy,” presented at the annual national conference, organized by the American Economic Association, New Orleans, LA, January 5, 2008.
- **Ghosh Roy, Atrayee**, and Hendrik Van den Berg. “Twin Deficits and Hard Landings: Estimating the Effect of Budget Deficits on Long-Run U.S. Economic Growth,” presented at the annual national conference, organized by the American Economic Association, Chicago, IL, January 5, 2007.
- **Ghosh Roy, Atrayee**, and Hendrik Van den Berg. “The U.S. Current Account Deficit and the U.S. Economy: A Time-Series Investigation,” presented at the annual national conference, organized by the American Economic Association, in Boston, MA, January 6, 2006.

- **Ghosh Roy, Atrayee**, and Hendrik Van den Berg. "Poverty and Globalization: How Robust is the evidence?," presented at the annual national conference, organized by the American Economic Association, Philadelphia, PA, January 7, 2005.
- **Ghosh Roy, Atrayee**, John E. Anderson, and James R. Schmidt. "Housing Tax Deductions and Single-Family Housing Demand," presented at the National Tax Association (NTA) meetings, Minneapolis, MN, November 13, 2004.
- **Ghosh Roy, Atrayee**. "Is There a Negative Relationship between Government Size and Economic growth?" presented at the annual national conference, organized by the American Economic Association, San Diego, CA, January 4, 2004.
- **Ghosh Roy, Atrayee**, and Hendrik Van den Berg. "Foreign Direct Investment and Economic Growth: Empirical and Policy Analyses," presented at the annual national conference, organized by the American Economic Association, Washington, D.C., January 4, 2003.
- Van den Berg, Hendrik, and **Atrayee Ghosh Roy**. "The Economic Effects of International Trade in the United States: Why the Infatuation with Jobs?" presented at the Southern Economic Association meetings, New Orleans, LA, November 25, 2002.
- **Ghosh Roy, Atrayee**, and James R. Schmidt. "Estimating Effects of Housing Tax Deductions: Empirical and Policy Analyses (revised)," presented at the annual national conference, organized by the American Economic Association, Atlanta, GA, January 5, 2002.
- **Ghosh Roy, Atrayee**. "Does Income Inequality Hinder Economic Growth?" presented at the annual national conference, organized by the American Economic Association, New Orleans, LA, January 5, 2001.
- Anderson John E., **Atrayee Ghosh Roy**, and Paul A. Shoemaker. "Constructing Confidence Intervals for the Suits Index: Theory and an Application," presented at the Southern Economic Association meetings, Washington, D.C., November 12, 2000.
- **Ghosh Roy, Atrayee**. "Estimating Effects of Housing Tax Deductions: Empirical and Policy Analyses," presented at the Midwest Economics Association meetings, Nashville, TN, March 26, 1999.
- Anderson, John E., and **Atrayee Ghosh Roy**. "Eliminating Housing Tax Preferences: A Distributional Analysis," presented at the annual national conference, organized by the American Economic Association, New Orleans, LA, January 6, 1997.

Editorial Service:

Associate Editor, *Indian Journal of Economics & Business*, 2004 - 2016

Service to Professional Organizations:

Board Member, Minnesota Economic Association, 2017 – October 2020
Executive Member, Association of Indian Economic & Financial Studies, 2009 – 2011
Life Member of the Association of Indian Economic & Financial Studies

Journal Referee - selected:

Applied Economics
Global Economy Journal
Public Finance Review
Asian Development Review
Journal of Population Economics
British Journal of Economics, Management & Trade
Indian Journal of Economics & Business

Professional Memberships:

Western Economic Association International
Association of Indian Economic & Financial Studies