

COL Atin Basu Choudhary, Ph.D.
Professor

Contact Information

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Education

Ph.D. Economics, University of Mississippi, 1998

M.B.A. Personnel Management and Industrial Relations,
Xavier Labor Relations Institute, 1992

B.S. Economics, Calcutta University, 1989



Research Interests

Economics of information, conflict, cooperation, predictive analytics and machine learning, and signaling theory (Applied to the political economy of terrorism, civil conflict, and cybersecurity).

Courses Taught

EC 300 – Intermediate Microeconomics

EC 414 – Applied Game Theory

EC 415 – Political Economy of Conflict

Recent Publications

“Validating Game-Theoretic Models of Terrorism: Insights from Machine Learning.” (2021). *Games*. (with Jim Bang and Ani Mitra).

“The Political economy of polytheism: The Indian versus the Graeco-Roman religions.” (2020). *Homo Oeconomicus*. (with Mario Ferrero and Tim Lubin).

“Snatched secrets: Cybercrime and trade secrets modeling a firm’s decision to report a theft of trade secrets.” (2019). *Computers and Security*. (with Nicola Searles).

“The Evolution of Revolution: Is splintering inevitable?” (2018). *The Economics of Peace and Security Journal*. (with Laura Razzolini).

“Predicting Terrorism with Machine Learning: Lessons from “Predicting Terrorism: A Machine Learning Approach” (2018). Co-author: Jim Bang. *Peace Economics and Peace Science*.

DEPARTMENT OF ECONOMICS AND BUSINESS

VIRGINIA MILITARY INSTITUTE

“Snatched secrets: Cybercrime and trade secrets modeling a firm's decision to report a theft of trade secrets.” (2019). Co-author: Nicola Searles. *Computers and Security*.

New Machine Learning Tools for Predicting Economic Growth. (2017) With: Jim Bang (SAU) and Tinni Sen (VMI). Springer Verlag.

Predicting Conflict: A Machine Learning Approach. (2018) With: Tinni Sen, Jim Bang, and John David. Lexington Books, an imprint of Rowman and Littlefield.

Works in Progress

Contracted Projects

Handbook for the Economics of Terrorism. With Guenther Schulze. Cambridge University Press.

Identifying the Complex Causes of Civil War: A Machine Learning Approach. With Jim Bang, John David, and Tinni Sen. Palgrave Macmillan.

Machine learning applications in bioinformatics. With John David (VMI). For George Washington University Department of Biochemistry and Molecular Medicine.

Working Papers

Blessed are the peacemakers: The role of women in promoting peace in African countries. With Iyabo Obasanjo and Valentina Dimitrova Grajzl

Predicting the black labor force participation rate: Some structural factors. With Charles Palandati.

Income inequality as a structural phenomenon: The institutional predictors of income inequality. With Chris Lloyd.

The Evolution of Fake News. With Laura Razzolini.