

Sayoudh Roy

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Citizenship and Visa Status

Indian Citizen, U.S. (F-1 Visa)

Education

Ph.D. Economics, The Ohio State University, 2021 (expected)
Dissertation: Papers about Labor Markets
Committee: Professor Sanjay Chugh (chair), Professor Pok-Sang Lam, Professor Kyle Dempsey
M.A. Economics, The Ohio State University, 2016
M.S. in Quantitative Economics, Indian Statistical Institute, 2014
B.A. Economics, University of Delhi, 2012

Teaching and Research Fields

Primary fields: Macroeconomics
Secondary fields: International Economics

Research Papers

“Effect of Labor Market Power on On-the-Job Search ” (**Job Market Paper**)

This paper introduces firm labor market power, as modeled in Jarosch, Nimczik & Sorkin(2019), into a model with labor search frictions and on-the-job search, similar to Krause & Lubik (2006), and shows that labor market power can lead to slower recoveries in on-the-job search, job transitions, wages and employment in the event of an aggregate productivity shock. Higher levels of labor market power benefit the firm's bargaining position, create incentives against on-the-job search and lead to lower steady state levels of on-the-job search and job transitions. Labor Market Concentration amplifies the cyclical response of wages, employment and output.

“Banking Frictions in a Model with Labor Search”

This paper introduces banking frictions modeled in Gertler and Karadi (2011) into a model of labor search and analyzes the interaction between banking constraints and labor search. An analytical expression for the steady state elasticity of market tightness to productivity is calculated to show that an increase in the degree of banking friction increases volatility of labor market tightness and this volatility can be lowered if the leverage ratio is sufficiently high. Adding banking frictions to a model with labor search frictions helps to not only match labor market responses, but simultaneously generate greater declines in macroeconomic aggregates of capital and investment.

Research in Progress

“Hedging against volatile productivity with bonuses/benefits”

This paper is intended to analyze how much of the rise in bonuses/benefits compensation as a percentage of total compensation can be explained by the upward trend in volatility of firm productivity.

Conference and Seminar Presentations

October 2018 Economics Graduate Students' Conference, Washington University
in St. Louis
March 2020 Midwest Economic Association Conference – Canceled due to Covid-
19 Pandemic

Research Experience and Other Employment

June–Sep 2014 Indian Statistical Institute, Research Assistant
Dec 2013 Agora Advisory Pvt. Ltd., Intern, Statistical Analyst
May-July 2013 Financial Chronicle, The Asian Age, Intern, Analyst

Honors, Scholarships, and Fellowships

2015-2016 OSU Department Fellowship
2012-2014 Indian Statistical Institute Fellowship
2018, 2020 Journal of Money, Credit & Banking Travel Grant

Teaching Experience

Spring 2019 Principles of Macroeconomics, Independent Instructor
Autumn 2018, 2019 Principles of Macroeconomics, Recitation Leader
Autumn 2017, Spring 2018 Principles of Macroeconomics, Recitation Leader

Skills

Software: MATLAB, Stata (Intermediate), Eviews (Intermediate)
Languages: English (fluent), Hindi (native), Bengali (native)

References

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