

# Sayoudh Roy

## Office Address

Department of Economics  
The Ohio State University  
1945 N High St., 410 Arps Hall  
Columbus, OH 43210

<https://sites.google.com/view/sayoudh/home>  
roy.269@osu.edu  
+1-614-615-0518

## 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, Professor D  
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

### “Labor Market Concentration and Job to Job Transitions” (**Job Market Paper**)

This paper introduces firm labor market power in a model of on-the-job search and analyzes the role of labor market concentration in amplifying the cyclical response of labor market variables. The paper also evaluates the optimal unemployment benefit policy response in the event of a downturn.

### “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**

2014-2015	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**

Professor Sanjay Chugh  
Department of Economics  
The Ohio State University  
chugh.14@osu.edu

Professor Pok-Sang Lam  
Department of Economics  
The Ohio State University  
+1-614.292.6567  
lam.1@osu.edu

Professor Kyle Dempsey  
Department of Economics  
The Ohio State University  
+1-614.292.4198  
dempsey.164@osu.edu