

# Dr. Sahil Ravgotra

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## Summary

Macroeconomist with experience conducting research, analyzing data, and developing economic models. Extensive proficiency in building, calibrating, and estimating dynamic stochastic general equilibrium (DSGE) models focussing on Monetary & Fiscal Policy. Skilled in using Matlab, Dynare, and Stata, and comfortable working with data sets.

## Current Position

**Jan 2024 - Present**     Department of Economics, University of Texas at Austin  
**Assistant Professor**

- *Postgraduate*: Advanced Macroeconomic Theory, Topics in Time Series Econometrics,
- *Undergraduate*: Macroeconomic Theory, Time Series Econometrics

## Education

- 2020-23**     **PhD in Economics** - *School of Economics, University of Surrey, UK*  
Dissertation: Essays in Behavioral Macroeconomics  
Concentration: DSGE, Bounded Rational Expectations, Bayesian Econometrics (estimation & forecasting)  
Advisors: Paul Levine (Main Advisor), Hyungseok Joo, Alessio Volpicella  
Examinors: Alexander Mihailov, Ricardo Nunes
- 2019-20**     **MRes in Economics** (with Distinction) - *School of Economics, University of Surrey, UK*  
Dissertation: Behavioral New Keynesian Models: An Empirical Assessment  
Relevant Coursework: Advanced Macroeconomics, Advanced Econometrics, Advanced Microeconomics  
Advisor: Paul Levine
- 2013-15**     **MPhil in Economics** - *Centre for Economic Studies & Planning, Jawaharlal Nehru University, India*  
Dissertation: Determinants of Price War and Profitability: A Panel Data Analysis of Indian Aviation Industry  
Relevant Coursework: Statistical & Econometric Methods, Methods of Economic Analysis  
Advisor: Sujoy Chakravarty
- 2011-13**     **MA in Economics** (with Distinction) - *Department of Economics, University of Jammu, India*
- 2008-11**     **BA in Economics** (with Distinction) - *Department of Economics, University of Jammu, India*

## Research Experience

- Sept 2023 - Nov 2023**     Deutsche Bundesbank, Frankfurt, Germany  
**PhD Intern**  
Project: "Open Economy Fiscal TANK for the Euro Area"
- Sept 2022 - Sept 2023**     Department of Economics, University of Texas at Austin, US  
**Visiting Researcher**  
Project: "New Keynesian Model of Debt and Equity without Rational Expectations"  
with Bruce Preston and Stefano Eusepi

- June 2021 - Sept 2021** - International Monetary Fund, Washington DC  
**PhD Summer Intern**
- Collaborated with colleagues and designed a novel open economy DSGE model.
  - Produced an IMF working paper titled, "Monetary Policy and Exchange Rate Dynamics in a Behavioral Open Economy Model".
  - Attended regular staff meetings; assembled meeting materials.
- June 2016 - Aug 2016** - Ministry of Commerce, Government of India, Delhi  
**Trade Economics Intern**
- Performed statistical analysis of the trade data using Stata and Excel.
  - Formulated reports on trade promotion and policy negotiations.
  - Collaborated in team meetings and facilitated preparations for the meeting.
- Dec 2015 - April 2016** - Organisation for Economic Co-operation and Development, Paris  
**Research Assistant**
- Identified econometric techniques to analyze the data that I collected and cleaned.
  - Wrote and edited the project titled "Services and Performance of the Indian Economy: Analysis and Policy Options".
  - Organized an international seminar to present the findings.
- Dec 2014 - Nov 2015** - National Institute of Public Finance and Policy, Delhi  
**Research Associate**
- Aided in identifying and implementing appropriate econometric models to support various projects on macroeconomics and finance, gender budgeting, and human development.
  - Collaborated to produce two policy papers published by the Indian government.
  - Presented the research at the International Institute of Public Finance conference, Dublin.

## Teaching Experience

- Sept 2019 - Sept 2023** - School of Economics, University of Surrey, UK  
**Teaching Assistant**
- Postgraduate Modules: Advanced Macroeconomics, Foundations of Macroeconomics, Mathematical Support.
  - Undergraduate Modules: Intermediate Macroeconomics-II, Principles of Macroeconomics, Mathematics for Economics, Statistics for Economics
  - Mentored students on their research projects.
- Sept 2023** - School of Economics, University of Surrey, UK  
**CIMS Summer School Instructor**
- Course: Foundations of DSGE Modeling
- April 2023** - Department of Economics, City University of London, UK  
**Easter School Instructor**
- Course: Open Economy DSGE Modeling with Applications to Emerging Economies
- Aug 2020** - School of Economics, University of Surrey, UK  
**CIMS Summer School Instructor**
- Course: Foundations of DSGE Modeling
- Aug 2016 - Sept 2019** - University of Delhi, New Delhi, India  
**Assistant Professor**
- Modules Taught: Introductory Microeconomics, Principles of Microeconomics, Principles of Macroeconomics, Research Methodology, Introductory Macroeconomics, International Trade, Industrial Economics.
  - Organized various seminars and arranged talks by eminent economists.

## Research Projects

- Monetary Policy and Exchange Rate Dynamics in a Behavioral Open Economy Model (*with* M. Kolasa & P. Zabczyk), IMF Working Paper No. 2022/112
- Habit, Finite-Horizon Learning and Imperfect Credibility in a New Keynesian Model
- Fiscal Consolidation and Bounded Rationality (*with* H. Joo)
- Linear-Quadratic Approximation of a Small Open Economy New Keynesian Model (*with* L. Cambara & P. Levine)
- Forward Guidance and Credibility in an Experimental DSGE Model (*with* L. Petersen)
- New Keynesian Model of Debt and Equity without Rational Expectations (*with* Bruce Preston and Stefano Eusepi)

## Short Courses

- June 2022**    Experimental Macroeconomics - BESLab Summer School, Berlin
- April 2021**    Macroeconomic Modeling and Policy - CIMS Easter School, University of Surrey, UK
- Sept 2020**    Advanced Topics in DSGE Modeling - CIMS, Summer School, University of Surrey, UK
- Sept 2019**    Foundations of DSGE Modeling - CIMS, Summer School, University of Surrey, UK
- July 2015**    Time-Series & Financial Econometrics - Indian Econometrics Society, Kolkata, India

## Conference Presentations

- April 2023**    DSGE Modelling for Emerging Open Economies, CITY University of London, UK
- March 2023**    Macro Workshop, University of Texas at Austin, TX
- Sept 2022**    53<sup>rd</sup> Annual Conference of the Money, Macro and Finance Society, Canterbury, UK
- Aug 2022**    European Economic Association and Econometric Society Congress, Milan, Italy
- July 2022**    16<sup>th</sup> Annual Dynare Conference, Lancaster, UK
- June 2022**    4<sup>th</sup> Behavioral Macroeconomics Workshop, University of Bamberg, Germany
- April 2022**    9<sup>th</sup> Annual Money, Macro and Finance PhD Conference, Edinburgh, UK
- Dec 2016**    52<sup>nd</sup> Annual Conference of The Indian Econometric Society, IIM Kozhikode, India
- Aug 2015**    71<sup>st</sup> Annual Congress of the International Institute of Public Finance, Dublin, Ireland

## Policy Publications

- Chakraborty, L., & Ravgotra, S. (2015). Macroeconomic Policy Revival in Mining and Environmental Federalism: Glimpses from Modi Budget 2015-16. *Yojana*.
- Chakraborty, L., & Ravgotra, S. (2015). Economic Policy for Revival of Mining (No. id: 6529).

## Scholarships and Awards

<b>2022-23</b>	Postgraduate Researcher of the year award, School of Economics, University of Surrey
<b>2022-23</b>	Turing Fellowship, UK
<b>2019-23</b>	Postgraduate Research Studentship, University of Surrey, UK
<b>2013-14</b>	National Eligibility Test for Lectureship, University Grants Commission, India
<b>2011-13</b>	Post-Graduate Merit Scholarship, University Grants Commission, India

## Skills and Interests

<b>Programming</b>	Matlab, Dynare, Stata, EViews, z-Tree
<b>Typesetting</b>	LaTeX, LyX, MS-Office
<b>Languages</b>	English (Advanced), Hindi (Native), Punjabi (Native), Dogri (Native)
<b>Interests</b>	Board Games, Cooking, Cycling, Hiking, Gardening, Travelling

## References

Paul Levine  
Professor, School of Economics,  
University of Surrey, UK  
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Ricardo Nunes  
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University of Surrey, UK.  
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Stefano Eusepi  
Associate Professor, Department of Economics,  
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Marcin Kolosa  
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Hyungseok Joo  
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