

Bishmay Barik

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Education

Shiv Nadar University, Delhi-NCR - M.Sc. Economics

2023-2025

- Semester 1: GPA: 8/10 | Semester 2: GPA: 9.4/10
- **Subjects:**
Macroeconomics (I & II) (*Distinction*), Econometrics (*Distinction*), Microeconomics (I & II)
Mathematical Methods, Behavioural Economics

XIM University, Bhubaneswar - B.Sc. Economics (Hons.)

with Three consecutive years of Merit Scholarship | Second Ranker

2020-2023

- CGPA: 9.47/10
- **Subjects:**
Macroeconomics, Microeconomics, Development Economics, International Economics,
Game Theory and Behavioural Economics
- **Undergraduate Dissertation:** *Economics of Discrimination: Review of Gary Becker's work and its application on India*

Research Experience

Research Assistant - A Research Project on Culture and Debt in India

2024 - Present

PIs: Dr. Nirupama Kulkarni, Dr. Satyajit Chatterjee & Dr. Ashwini Deshpande

- Analyzing emigration patterns and debt holdings across different castes, religions, and social strata using the CMIE-CPHS dataset, with a focus on state-wise and district-wise variations in India.
- Investigating loan-taking behavior among various castes and religions, exploring the influence of cultural norms and traditions on these financial decisions.

Research Intern - Center for Advanced Financial Research and Learning (CAFRAL), RBI

2024

PIs: Dr. Gautham Udupa & Dr. Vidhya Soundararajan

- Converting several Stata codes and writing MATLAB equivalents for a project.
- Reviewing RBI circulars and identifying important notifications related to Priority Sector Lending in India.
- Reviewing literature on developmental factors that affect stock market participation and presenting them during the internship at CAFRAL.

Dissertation and Research Projects

(Ongoing) Master's Dissertation: Caste Discrimination: From a Macroeconomics Perspective

2024

Supervisor: Dr. Partha Chatterjee (Internal) & Dr. Pubali Chakraborty (External)

(Ongoing) Birth Order Effects: It's Impact on Health Outcomes across Social Groups in India

2024

Supervisor: Dr. Gitanjali Sen (Internal) | **Co-author:** Manya Pahwa

Software(s) Using: Python & STATA

- Identifying birth order effects across different Indian households; using the India Human Development Survey
- Capturing the effect of these varying birth order effects on health outcomes across members belonging to different social groups

(Ongoing - Review and Extension of the paper)

2024

Paper Title: Really Uncertain Business Cycles (Bloom et. al. 2018)

- Analysing the TFP shocks as given in the paper; especially with Non-Convex Adjustment Cost.
- Looking at the trends of the data, and finding counter-cyclical scenarios, if there exists any.

Does Overconfidence Lead to Procrastination?: A Cognitive Reflection Test Experiment

2024

Supervisor: Dr. Punarjit Roychowdhury

- Tried to build a bridge between overconfidence and procrastination.
- Use of Cognitive Reflection Test to identify overconfident people and studied procrastination behaviour among them.

An Environmental Kuznet's Curve (EKC) Analysis: A Case Study on Ganga and Yamuna 2024

Software(s) Used: STATA, R & Excel

Supervisor: Dr. Ram Ranjan | **Co-author:** Manya Pahwa, Shiv Nadar University, India

- Created Econometric Model to test for EKC in river Ganga and Yamuna.
- Analysed pollution patterns and tried to identify the cause of pollution in these rivers.

Economics of Discrimination: Review of Gary Becker's work and its application on India 2022 - 2023

Dissertation, B.Sc. Economics, XIM University | **Supervisors:** Dr. Bharatee Bhusana Dash & Dr. Pintu Parui

- Criticised Becker (1957) Model of Discrimination
- Applied Becker (1957) Model of discrimination to Indian context, through the lens of caste.

Gains from Trade: An Intuition behind Why Countries Exchange 2022

Supervisor: Dr. Anwesha Bandyopadhyay | **Co-author:** Sharanya Roy, XIM University, India

- Extended the Ricardian Model using quantitative macroeconomic models

Teaching

Shiv Nadar University, India 2023-2024

Graduate Teaching Assistant | Semester - III

- ECO302: Intermediate Macroeconomics (Dr. Aditi Singh & Dr. Trishita Ray Barman)

Graduate Teaching Assistant | Semester - II

- ECO461: International Economics (Dr. Trishita Ray Barman)

Graduate Teaching Assistant | Semester - I

- MAT101: Calculus - I (Dr. Niteesh Sahni)

Course Certifications

Python for Data Science 2024

Indian Institute of Technology (IIT), Madras

Introductory course to DSGE Models in Matlab Dynare 2024

Udemy Online Courses

Economic Analysis and Data Analytics 2021

National Association of State Boards of Accountancy

From Poverty to Prosperity: Understanding Development Economics 2020

University of Oxford

Software

STATA | MATLAB | L^AT_EX | R | Markdown | Python | Jupyter Notebook | Dynare

References

Available on request.