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. Satyajit Chatterjee, Dr. Ashwini Deshpande & Dr. Nirupama Kulkarni
- 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)

Tracing Disparities: Educational Spending Before and After Covid-19 Among Social Groups in India   2024
Supervisor: Dr. Gitanjali Sen | **Co-author:** Manya Pahwa
Software(s) Using: Python & STATA
- Created a Difference-in-Differences model to estimate pre- and post- Covid 19 educational expenditure trends across different religion and caste groups in India using CMIE-CPHS dataset.
- Explored possible reasons to understand why every social group was affected differently during a pandemic.

Review on 'Does Immigration Affect the Long-Term Educational Outcomes of Natives? Quasi-Experimental Evidence' by Eric Gould, Victor Lavy, and Daniele Paserman   2024
Supervisor: Dr. Gitanjali Sen
- Criticizing the original paper, and identifying potential research gaps, and extending the paper.
- Introducing heterogeneity among the students on the basis of ranks achieved in the class, and analyzing the causal effect of increased concentration of migrants on the heterogeneous Israeli students.

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 Techology (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 | LaTeX | R | Markdown | Python | Jupyter Notebook | Dynare

References

Available on request.