

Ritabrata BOSE

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RESEARCH INTERESTS

Primary Fields International Trade, Macroeconomics
Secondary Fields Economic Geography, Supply Chains, Labor Economics

EDUCATION


July 2018 August 2016	M.PHIL. IN DEVELOPMENT STUDIES , Indira Gandhi Institute of Development Research, Mumbai, India THESIS : <i>Market Structure, Profitability and Contract-worker Intensity : Analysis of Indian Organised Manufacturing Industries</i> SUPERVISOR : Prof. K. V. Ramaswamy <div>International TradeIndustrial OrganizationLabor EconomicsApplied EconometricsDynamic Panel Model</div>
May 2016 August 2014	M.SC. ECONOMICS , Department of Economics, University of Calcutta, Kolkata, India GROUP PROJECT : <i>Understanding Middle Class with reference to recent trends in Indian Economy</i> SUPERVISOR : Prof. Sudakshina Gupta <div>International EconomicsAdvanced EconometricsLabour Economics</div>
July 2014 August 2011	B.SC. ECONOMICS (HONS.) , Department of Economics, University of Calcutta, Kolkata, India TERM PAPER : <i>Slums in Kolkata : A socio-economic analysis</i> SUPERVISOR : Prof. Santanu Ghosh <div>EconomicsMathematicsStatistics</div>

EXPERIENCE

Apr 2019 - present (21 months +)	Academic Associate, INDIAN INSTITUTE OF MANAGEMENT, BANGALORE, India ➤ Research Assistant to PROF. KUNAL DASGUPTA ➤ Teaching Assistant to multiple professors <div>International TradeEconomic GeographyProduction NetworksGISNLPTutorial ClassesExam Grading</div>
Feb - Apr, 2019 (3 months)	Research Assistant, CENTRE FOR STUDIES IN SOCIAL SCIENCES, KOLKATA, India ➤ Research Assistant to PROF. SAIBAL KAR <div>International EconomicsLabour EconomicsHuman Migration</div>
Aug - Dec, 2018 (5 months)	Visiting Faculty Narsee Monjee Institute of Management Studies, MUMBAI, India ➤ Taught graduate-level DEVELOPMENT ECONOMICS course at a leading AACSB accredited university ➤ Econometric Methodologies to pursue development economics research <div>Graduate Level CourseApplied EconometricsCausal Impact AnalysisHands-on R application</div>
Jan - Jun, 2018 (6 months)	Graduate Teaching Assistant, INDIRA GANDHI INSTITUTE OF DEVELOPMENT RESEARCH, MUMBAI, India ➤ Teaching Assistant to PROF. ASHIMA GOYAL <div>Tutorial classesExam GradingAssisting Group ProjectsProject Evaluation</div>
Aug - Dec, 2017 (5 months)	Graduate Research Assistant, INDIRA GANDHI INSTITUTE OF DEVELOPMENT RESEARCH, MUMBAI, India ➤ Research Assistant to PROF. C. VEERAMANI <div>International TradeAutomobile Industry</div>
May - Sep, 2015 (5 months)	Undergraduate Research Assistant, UNIVERSITY OF CALCUTTA, KOLKATA, India ➤ Research Assistant to PROF. SANTANU GHOSH <div>Time Series Analysis</div>

ENFORCEMENT OF NON-TARIFF MEASURES : DOES IT MATTER?

2020

 [IIMB Working Paper 611](#) (with Bernardo Blum and Kunal Dasgupta)

We use data and a textual analysis algorithm to uncover that at least 28% of the Singaporean imports are affected by per shipment compliance costs created by non-tariff trade barriers which in turn, have a large direct welfare effect on the economy, when the compliance creates a fixed cost.

International Trade Per-shipment cost Non-Tariff Barriers Enforcement Natural Language Processing Theoretical Model Quantitative Exercise

GLOBALIZATION AND WORKFORCE COMPOSITION IN INDIAN FORMAL MANUFACTURING : NEW EVIDENCE ON PRODUCT MARKET COMPETITION CHANNEL

2020

 [IGIDR Working Paper 2020-036](#) (with K.V. Ramaswamy)

(under review)

We investigate the indirect impact of globalization on job quality (workforce composition) through changes in product market structure for the Indian formal manufacturing industries. We found that the firms responded to greater product market competition due to globalization by hiring relatively more contract workers. It enabled them to achieve labor market flexibility.

International Trade Industrial Organisation Segmented Labour Market Formal Manufacturing Sector Market Concentration Dynamic Panel Model

DISAGGREGATED INDIAN INDUSTRIAL CYCLES : A SPECTRAL ANALYSIS

2020

 [IGIDR Working Paper 2020-033](#) (with Ashima Goyal)

(under review)


First, we study the characteristics of asymmetric phase shifts and co-movement of industrial production cycles. Then we check the spectral causality of these cycles with various policy variables, which enabled us to explore the non-linear structure of the economy by computing Granger Causality for each frequency separately.

Industrial Cycles Business Cycle Dating Coherence Spectral Causality Co-movement Lead/Lag Industries Macroeconomic Stabilization

PUBLISHED UNDERGRADUATE CASE-STUDY

SLUMS IN KOLKATA : A SOCIO-ECONOMIC ANALYSIS

2015

 [EEQEL](#) (with Santanu Ghosh)

This paper presents and discusses primary data from a survey of 96 households taken from five different slums of Kolkata. It attempts to examine the socio-economic aspects of slums surveyed in this paper in terms of income, education, savings, sanitation, financial inclusion etc.

Socio-Economic Study Social Geography Urban Geography Primary Survey Urban Slums

WORK IN PROGRESS

- > Multiple Sourcing of Imported Intermediate Inputs (with Kunal Dasgupta)
- > Industrial Composite Indicators for India : A Frequency Approach (with Ashima Goyal)
- > Monetary Policy Statements and Government Securities cycle (with Ashima Goyal)

CONFERENCES AND WORKSHOPS

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| 2019 | <p>61st Annual Conference on Labour Economics, INDIAN SOCIETY OF LABOUR ECONOMICS, hosted by Punjabi University, Patiala, India</p> <ul style="list-style-type: none"> > PAPER PRESENTATION : <i>Globalization and Workforce Composition in Indian Formal Manufacturing : New evidence on product market competition channel</i> <p>First Workshop on Economic Impact of Non-tariff Measures (NTMs), ECONOMIC RESEARCH INSTITUTE FOR ASEAN AND EAST ASIA, Jakarta, Indonesia</p> <ul style="list-style-type: none"> > PAPER PRESENTATION : <i>Enforcement of Non-Tariff Measures : Does it matter?</i> > PAPER DISCUSSANT : <i>Technical Regulations and Performance of Exporting Firms in India</i> <p>Brown Bag Series, INDIAN INSTITUTE OF MANAGEMENT, Bangalore, India</p> <ul style="list-style-type: none"> > PAPER PRESENTATION : <i>Hindu Succession Act and Health Outcome : Second Generation Impact</i> <p>5th IGC-ISI Summer School, INTERNATIONAL GROWTH CENTRE (IGC), New Delhi, India</p> <ul style="list-style-type: none"> > SPEAKERS : Lakshmi Iyer, Aprajit Mahajan, Gaurav Chiaplunkar and Namrata Kala > SELECTION BASED ON : <i>Globalization and Worker Composition in Indian Formal manufacturing : New Evidence on Product Market Competition Channel</i> |
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- 2018 | Workshop on KLEMS Database, RESERVE BANK OF INDIA, Mumbai, India
 > SPEAKERS : Viral Acharya, K.L. Krishna, B.N. Goldar, Suresh C. Aggarwal, Deb Kusum Das
- 2017 | XXVIIth Annual General Conference on Contemporary Issues in Development Economics, JADAVPUR UNIVERSITY, Kolkata, India
 > PAPER PRESENTATION : Industrial Cycles in India : A spectral analysis (*an earlier version*)

ACHIEVMENTS

- 2018 UGC-NET Qualified, UNIVERSITY GRANTS COMMISSION, India
 > Qualified for the position of Assistant Professor (Economics) in Indian Universities.
 > As per University Grants Commission official report, only 6% of 0.6 million applicants qualified.
- 2016-18 M.Phil. Fellowship, INDIRA GANDHI INSTITUTE OF DEVELOPMENT RESEARCH, Mumbai, India

</> SKILLS

Statistical Softwares	Stata, R, GRETL, EViews, ArcGIS, QGIS.
Programming Languages	Python, Julia, \LaTeX , HTML, CSS, Markdown.
Machine Learning	NLP (Spacy, NLTK), TensorFlow, Linear/Logistic Regression, k-Nearest Neighbour, SVM, Naïve Bayes, Transformers (different variants of BERT, XLNet), Unsupervised Learning (Clustering), Active Learning Lifecycle.
Web Scraping	Selenium, Scrapy, Splash.
Operating Systems	Windows, Linux.