Ritabrata Bose

Academic Associate, Indian Institute of Management, Bangalore (IIMB)

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P201, Faculty Block C, Indian Institute of Management (Bangalore), Karnataka - 460 065, India

RESEARCH INTERESTS

Primary Fields International Trade, Macroeconomics

Secondary Fields Economic Geography, Supply Chains, Labor Economics

EDUCATION

July 2018 | М.Рніс. ім Development Studies, Indira Gandhi Institute of Development Research, Mumbai, India

August 2016 | THESIS: Market Structure, Profitability and Contract-worker Intensity: Analysis of Indian Organised

Manufacturing Industries

SUPERVISOR: Prof. K. V. Ramaswamy

International Trade | Industrial Organization | Labor Economics | Applied Econometrics | Dynamic Panel Model

May 2016 | M.Sc. Economics, Department of Economics, University of Calcutta, Kolkata, India

August 2014 GROUP PROJECT: Understanding Middle Class with reference to recent trends in Indian Economy

Supervisor: Prof. Sudakshina Gupta

International Economics Advanced Econometrics Labour Economics

July 2014 B.Sc. Economics (Hons.), Department of Economics, University of Calcutta, Kolkata, India

August 2011 | Term Paper : Slums in Kolkata : A socio-economic analysis

SUPERVISOR : Prof. Santanu Ghosh Economics Mathematics Statistics

EXPERIENCE

Apr 2019 - present | Academic Associate, Indian Institute of Management, Bangalore, India

(21 months +)

(5 months)

> Research Assistant to Prof. Kunal Dasgupta

> Teaching Assistant to multiple professors

International Trade | Economic Geography | Production Networks | GIS | NLP | Tutorial Classes | Exam Grading |

Feb - Apr, 2019 | Research Assistant, Centre for Studies in Social Sciences, Kolkata, India

(3 months) Research Assistant to Prof. Saibal Kar

International Economics | Labour Economics | Human Migration

Aug - Dec, 2018 | Visiting Faculty | Narsee Monjee Institute of Management Studies, Мимва, India

(5 months) > Taught graduate-level DEVELOPMENT ECONOMICS course at a leading AACSB accredited university

> Econometric Methodologies to pursue development economics research

Graduate Level Course | Applied Econometrics | Causal Impact Analysis | Hands-on R application

Jan - Jun, 2018 | Graduate Teaching Assistant, Indira Gandhi Institute of Development Research, Mumbai, India

(6 months) > Teaching Assistant to Prof. Ashima Goyal

Tutorial classes Exam Grading Assisting Group Projects Project Evaluation

Aug - Dec, 2017 | Graduate Research Assistant, Indira Gandhi Institute of Development Research, Mumbai, India

> Research Assistant to Prof. C. Veeramani

International Trade Automobile Industry

May - Sep, 2015 Undergraduate Research Assistant, University of Calcutta, Kolkata, India

(5 months) Research Assistant to Prof. Santanu Ghosh

Time Series Analysis

Working Paper

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 COMPE-**TITION CHANNEL**

☑ IGIDR Working Paper 2020-036 (with K.V. Ramaswamy)

(Revise and Resubmit)

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

Empirical Econometrics and Quantitative Economics Letters (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

2019 61st Annual Conference on Labour Economics, INDIAN SOCIETY OF LABOUR ECONOMICS, hosted by Punjabi University, Patiala, India

> Paper presentation: Globalization and Workforce Composition in Indian Formal Manufacturing: New evidence on product market competition channel

First Workshop on Economic Impact of Non-tariff Measures (NTMs), ECONOMIC RESEARCH INSTITUTE FOR ASEAN AND EAST ASIA, Jakarta, Indonesia

- > Paper presentation: Enforcement of Non-Tariff Measures: Does it matter?
- > PAPER DISCUSSANT: Technical Regulations and Performance of Exporting Firms in India

Brown Bag Series, Indian Institute of Management, Bangalore, India

> Paper Presentation: Hindu Succession Act and Health Outcome: Second Generation Impact

5th IGC-ISI Summer School, INTERNATIONAL GROWTH CENTRE (IGC), New Delhi, India

- > Speakers: Lakshmi Iyer, Aprajit Mahajan, Gaurav Chiplunkar and Namrata Kala
- > SELECTION BASED ON: Globalization and Worker Composition in Indian Formal manufacturing: New Evidence on Product Market Competition Channel

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, ŁTFX, 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 Lifecyle.

Web Scraping Selenium, Scrapy, Splash.

Operating Systems Windows, Linux.

66 REFERENCES

Dr. Kunal Dasgupta

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INDIAN INSTITUTE OF MANAGEMENT, BANGALORE +91 80 2699 3374

Dr. K. V. Ramaswamy

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Dr. Ashima Goyal

Professor of Economics

■ ashima@igidr.ac.in

INDIRA GANDHI INSTITUTE OF DEVELOPMENT RESEARCH, MUMBAI

■ 491 22 2841 6512

Independent External Member, Monetary Policy Committee, Reserve Bank of India Ex-Member, Economic Advisory Council to the Prime Minister of India

Dr. Saibal Kar

Research Fellow, IZA, BONN

Director (Hon.), EASTERN REGIONAL CENTRE, INDIAN COUNCIL OF SOCIAL SCIENCE RESEARCH