

DWEEPOBOTEE BRAHMA

Indian Institute of Technology Jodhpur,

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Jodhpur, Rajasthan 342037, India

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EMPLOYMENT

Assistant Professor,

July 2021 - present

Centre for Mathematical and Computational Economics

Indian Institute of Technology, Jodhpur

Fellow – II,

July 2020 – June 2021

National Institute of Public Finance and Policy

Associate Fellow,

September 2019 – June 2020

Brookings Institution India Center

EDUCATION

Ph.D. in Applied Economics,

2019

Western Michigan University, Kalamazoo MI.

Dissertation Title: “Essays on the application of Machine Learning in Development Economics”

Dissertation Advisor: Prof. Debasri Mukherjee

Master of Arts in Economics,

2015

State University of New York at Buffalo.

Master of Science in Economics,

2013

Calcutta University, Kolkata, India.

First-Class with specialization in Applied Econometrics.

Bachelor of Science in Economics,

2011

Calcutta University, Kolkata, India.

First-Class Honors with minor in Mathematics.

FIELDS OF SPECIALIZATION

Applied Econometrics (with Data-Mining and Machine Learning),
Development Economics, Health Economics, Labor Economics.

PUBLICATIONS

“Early Warning Signs: Targeting Neonatal and Infant Mortality using Machine Learning” *with Debasri Mukherjee.*

Applied Economics. (forthcoming)

“Infant malnutrition, clean-water access and government interventions in India: A Machine Learning approach towards causal inference”
with Debasri Mukherjee.

Applied Economics Letters. (forthcoming)

“Policy Complementarities in Achieving Universal Immunization Coverage in India” *with Debasri Mukherjee.*
Economic and Political Weekly, 2020, Vol 55 (38).

“India’s Universal Immunization Program: A lesson from Machine Learning” *with Debasri Mukherjee.*
Economics Bulletin, 2019, Vol 39(1).

“India’s Mid-day meal program and schooling: An evaluation based on Machine Learning” *with Debasri Mukherjee.*
Applied Econometrics and International Development, 2018, Vol 18(1).

WORKING PAPERS

“Public Health Insurance Schemes and Early-life health expenditure in India” with Debasri Mukherjee.

“More Health per Rupee – Efficiency of Public Spending and Governance Quality” with Mita Choudhury

WORKS IN PROGRESS

“Predicting Maternal Mortality and Still Birth Rates”

“Predicting Loan defaults and Foreclosure using loan performance data from Fannie Mae” with Sikim Chakraborty

BLOGS

“[The Role of Public and Private Healthcare services in Covid Testing and Treatment](#)” *NIPFP Blog*, 2020

“[The early days of a global pandemic: A timeline of COVID-19 spread and government interventions](#)” *Up Front, Brookings India*, 2020
 with Sikim Chakraborty and Aradhika Menokee
 Cited in: [WHO Global Preparedness Monitoring Report, 2020](#)

“[Does India have enough doctors? An analysis of growing COVID-19 patients and existing medical capacity](#)” *Up Front, Brookings India*, 2020
 with Prachi Singh and Sikim Chakraborty

“[The persistence of memory: The burden of Alzheimer’s disease in India](#)” *Up Front, Brookings India*, 2019

TEACHING EXPERIENCE

IIT Jodhpur

Machine Learning for Economics

Fall 2021

Western Michigan University

Instructor,

Principles of Microeconomics.

Spring 2018, Fall 2018, Spring 2019

Graduate Teaching Assistant,

Principles of Macroeconomics,
 Econometrics,
 Exploring Economic Data,
 Environmental Economics,
 Economic Development.

Fall 2015 – Summer 2019

AWARDS AND FELLOWSHIPS

Departmental Graduate Research and

Creative Scholar Award

Department of Economics, WMU

2019

Outstanding Poster Presentation,

Research and Creative Activities Poster and Performance Day, WMU.

2018

	Graduate Teaching Assistantship, WMU.	2015- 2019
	UB Foundation Fellowship, SUNY at Buffalo.	2014-15
	Graduate Teaching Assistantship, SUNY at Buffalo.	2013-14
	The Endowment Foreign Travel Fellowship, Calcutta University.	2013
	Prize for excellence in Economics Essay Competition, Alumni Association of Calcutta University Economics Department.	2012
GRANTS	Certification Grant, Graduate Student Association, WMU.	2018
	Graduate Student Travel Grant, Graduate College, WMU.	2017
	Conference Travel Grant, Graduate Student Association, WMU.	2016
	Graduate Student Research Grant, Graduate College, WMU.	2016
PAPER PRESENTATIONS AND INVITED TALKS	2021 International Health Economics Association (<i>poster</i>) Indian Institute of Technology – Jodhpur	
	2020 American Economic Association Annual Meeting (<i>San Diego</i>) Annual Conference of the Indian Econometric Society (<i>Madurai</i>) Indian Statistical Institute, Delhi Indian Institute of Management, Bangalore (<i>virtual</i>) Jinhe Center for Economic Research, Xi'an Jiaotong University (<i>virtual</i>)	
	2019 Indian Statistical Institute, Kolkata, Reserve Bank of India, Brookings Institution India Center, National Council of Applied Economic Research, Shiv Nadar University, Meghnad Desai Academy of Economics, AEA-ASSA Annual Meeting (<i>Atlanta</i>)	
	2018 Grand Valley State University, (<i>Invited seminar talk</i>) AEA-ASSA Annual Meeting, (<i>Philadelphia</i>)	
	2017 AEA-ASSA Annual Meeting, (<i>Chicago</i>)	
SOFTWARE LANGUAGES	R, STATA, Python, LaTeX. English (Fluent), French (Working Proficiency), Bengali (Native), Hindi.	
REFeree SERVICE	<i>Applied Economics Letters,</i> <i>Journal of Population Economics</i> <i>PLOS One</i>	
PROFESSIONAL MEMBERSHIPS	American Economic Association, Association of Indian Economic and Financial Studies, Indian Econometric Society, Global Labor Organization Affiliate, R-Ladies, PyLadies.	

PROFESSIONAL SERVICES

Referee for R-ladies diversity scholarship applications 2020
Mentor for Graduate Teaching Assistants Fall 2017-Spring 2018
Department of Economics, WMU.
Referee and Editorial Board Member Fall 2016
Hilltop Review, WMU.

PROFESSIONAL DEVELOPMENT WORKSHOPS

IHEA Early-Career Mentoring Session July 15, 2021
CSWEP Econopalooza June 15, 2021
Summer Institute in Computational Social Science June 14 – 18, 2021
Academic Branding: Managing Your Online Presence October 26, 2018
Office of Faculty Development, WMU.
Graduate Student Teaching Intensive Program, July 9-13, 2018
Office of Faculty Development, WMU.
Responsible conduct for Research, Graduate College, WMU. 2016
International Graduate Teaching Assistant Training Program. 2015

REFERENCES

Available upon request

Updated August 2021