

# DWEEPOBOTEER BRAHMA

5438 FRIEDMAN HALL  
DEPARTMENT OF ECONOMICS  
WESTERN MICHIGAN UNIVERSITY

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## EDUCATION

**Ph.D. Candidate in Applied Economics, *Expected Completion: June 2019***  
Western Michigan University, Kalamazoo MI.  
*Dissertation Title: “Three Essays on the applications of Machine Learning in Economics”*  
*Job Market Paper Title: “Child Malnutrition, Neonatal and Infant Mortality: new insights learnt from Machine Learning”*  
*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.*

## DATA SCIENCE CERTIFICATIONS AND COURSES

**Data Science Specialization,** 2018  
Johns Hopkins University through the Coursera platform.

**Applied Data Science with Python Specialization,** 2018  
University of Michigan through the Coursera platform.

**Applied Data-Mining,** Fall 2017  
**Computer Based Data Analysis,** Spring 2018  
Department of Statistics, Western Michigan University

## FIELDS OF SPECIALIZATION

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

## PUBLICATIONS

“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

“India’s Universal Immunization Program: A lesson from Machine Learning” with Debasri Mukherjee (*Soon to be submitted*).

“Investigating Child Mortality and Malnutrition using Machine Learning: ” with Debasri Mukherjee (*Soon to be submitted*).

“Recovering from the disease or the bill? A study on the burden of out-of-pocket health expenses in India using Machine Learning ” with Debasri Mukherjee (*in progress*).

**TEACHING EXPERIENCE****Instructor,**  
*Principles of Microeconomics.***Spring 2018, Fall 2018, Spring 2019****Graduate Teaching Assistant,**  
Principles of Microeconomics,  
Principles of Macroeconomics,  
Econometrics,  
Exploring Economic Data,  
Environmental Economics.**Fall 2015-Fall 2018****EXPERIENCE WITH BIG DATA AND OTHER LARGE DATASETS**Indian Human Development Survey,  
National Sampling Survey Organization, India-various rounds,  
National Family Health Survey,  
Administrative data from Indiastat.com,  
Indian Census Data,  
US Census Data,  
Real-estate data from CoreLogic-spatial analysis,  
Mortgage and Loan data from Fannie Mae.**SOFTWARE SKILLS****R**(Fluent), **STATA**(Fluent), **Python**, **EViews**, **Mathematica**, **MATLAB**,  
**Tableau**, **LaTeX**.**GRANTS****Certification Grant**, Graduate Student Association, WMU. 2018  
**Conference Travel Grant**, Graduate College, WMU. 2017  
**Conference Travel Grant**, Graduate Student Association, WMU. 2016  
**Graduate Student Research Grant**, Graduate College, WMU. 2016**AWARDS AND FELLOWSHIPS****Outstanding Poster Presentation**, 2018  
Research and Creative Activities Poster and Performance Day, WMU.  
**Graduate Teaching Assistantship**, WMU. 2015- present  
**UB Foundation Fellowship**, SUNY at Buffalo. 2014-15  
**Graduate Teaching Assistantship**, SUNY at Buffalo. 2013-14  
**The Endowment Foreign Travel Fellowship**, 2013  
Calcutta University.  
**Prize for excellence in Economics Essay Competition**, 2012  
Alumni Association of Calcutta University Economics Department.**CONFERENCE PRESENTATIONS****AEA-ASSA-Paper to be presented** 2019  
**Grand Valley State University-Invited seminar talk** November 2018  
**AEA-ASSA-Presented and served as a discussant** 2018  
**Missouri Valley Economic Association (accepted)** 2017  
**AEA-ASSA- Served as a discussant** 2017

**PROFESSIONAL SERVICES**

**‘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**

***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***, WMU. 2015

**PROFESSIONAL MEMBERSHIPS**

American Economic Association,  
Association of Indian Economic and Financial Studies.

**LANGUAGES**

English (Fluent), French (Working Proficiency), Bengali (Native), Hindi.

**PERSONAL DETAILS**

Gender: Female  
Marital Status: Single  
Date of Birth: May 1990

**REFERENCES**

Dr. Debasri Mukherjee  
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