

Sai Madhurika Mamunuru

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ACADEMIC POSITIONS

Assistant Professor August 2020 - present
Department of Economics
Whitman College

EDUCATION

PhD in Economics Sept 2014 - May 2020
University of Massachusetts, Amherst 3.86/4.00
Dissertation Committee: Deepankar Basu (Chair), Daniele Girardi, Ina Ganguli, Joya Misra
Dissertation Title: Essays on women and work in India and on other-regarding preferences

Master of Arts (Integrated) in Economics 2009 - 2014
University of Hyderabad, India 9.60/10.00

FIELDS OF INTEREST

- **Research interests:** Microeconometrics, Development Economics, Behavioral Economics, Feminist Economics
- **Teaching interests:** Microeconomics, Econometrics, Development Economics

RESEARCH

- **Declining female workforce participation in India: the role of status, caste and seclusion** (towards Dissertation)
 - **Objective:** To ask if families' social status considerations played a role in declining workforce participation among women in India
 - **Methodology:** I construct a household level theoretical model to arrive at stylized testable hypotheses; Test using a large, nationally representative panel dataset and an individual fixed effects model; Provide complementary evidence from social network analysis.
- **Does economics make you selfish?** (towards Dissertation)
(with *Prof. Daniele Girardi, Prof. Simon Halliday and Prof. Samuel Bowles*)
 - **Objective:** To evaluate the impact of Intermediate Microeconomics courses on the self interested behavior of undergraduate Economics majors.
 - **Methodology:** Designing and conducting experimental games and an online survey; Difference-in-difference analysis of experimental data conducted before and after treatment.

TEACHING EXPERIENCE

- **Lead Instructor, Mathematics Workshop for incoming graduate students**
UMass, Amherst: August 15 - August 28, 2018
 - Created course content including the course syllabus, lecture notes, problem sets and quizzes.
 - Instructed a group of 25 PhD students.
 - Textbook used: *Chiang, Alpha and Wainwright, Kevin. Fundamental Methods of Mathematical Economics (Fourth Edition) McGraw Hill, 2005, ISBN 0070109109.*
- **Lead Instructor, Intermediate Microeconomics**
UMass, Amherst: Fall 2016 and Spring 2017
 - Created course content including the course syllabus, lecture notes, and quizzes.
 - Instructed a group of 25 students (both in the Fall and the Spring).
 - Textbook used: *Microeconomics: Competition, Conflict and Coordination by Samuel Bowles and Simon Halliday (forthcoming)*
 - This course was a pilot course for the forthcoming textbook by Bowles and Halliday. Feedback from the course and the content created were subsequently used to improve the textbook.

- **Teaching Assistant**

UMass, Amherst: Fall 2014, Fall 2015, Spring 2016, Fall 2017, Fall 2018

Involved teaching discussion sections, tutoring during office hours and grading

- Introduction to Econometrics (Instructor: Prof. Marta Vicarelli)
 - * Ran a STATA Lab for 25 Junior and Senior students;
 - * Graded problem sets and quizzes, and conducted office hours.
- Introduction to Microeconomics (Lead Instructor: Prof. Gerald Friedman)
- Intermediate Microeconomics (Lead Instructor: Prof. Donald Katzner)
- Graduate Macroeconomics (Lead Instructor: Prof. James Heintz)
- Intermediate Microeconomics (Lead Instructor: Prof. Daniele Girardi)

CONFERENCE AND WORKSHOP PRESENTATIONS

- **Sai Mamunuru**, "Declining female workforce participation in India: the role of status, caste and seclusion," The New School – UMass Economics Graduate Student Workshop, New York, New York, November 2 - 3, 2019. [Workshop presentation]
- Daniele Girardi, **Sai Mamunuru**, Simon Halliday and Samuel Bowles, "Does Economics make you selfish?," The Ninth Annual AEA Conference on Teaching and Research in Economic Education (CTREE), St. Louis, Missouri, May 29 - 31, 2019. [Conference presentation]
- Daniele Girardi, **Sai Mamunuru**, Simon Halliday and Samuel Bowles, "Does Economics make you selfish?," Analytical Political Economy Workshop, UMass Amherst, April 26, 2019 [Workshop presentation]
- **Sai Mamunuru** "Declining female workforce participation in India: A theoretical explanation," Analytical Political Economy Workshop, UMass Amherst, May 11, 2018 [Workshop presentation]
- **Sai Mamunuru** "Are slums in India shrinking? - A Case Study of Andhra Pradesh (2001 - 11)," Urban/History/IO Working Group, UMass Amherst, November 10, 2017 [Workshop presentation]

WORK EXPERIENCE

- **Editorial Assistant to Prof. Samuel Bowles (Behavioral Science Program, Santa Fe Institute)**
on *The Moral Economy: Why Good Incentives are no Substitute for Good Citizens*
 - Created the reference index and provided editorial assistance.
- **Editorial and Research Assistant to Prof. Samuel Bowles and Prof. Simon Halliday**
on *Microeconomics: Competition, Conflict and Coordination by Samuel Bowles and Simon Halliday (forthcoming)*
 - Created practice problems and exercises.
 - Provided editorial consultance on the penultimate draft of the textbook.
- **Summer Intern at the Jameel Poverty Action Lab (JPAL)**
and the *Pratham Education Foundation, New Delhi India - Summer 2013*
 - **Project:** To evaluate the impact of playing pre-school math games on the learning outcomes in school
 - Helped design a longitudinal research study in the form of a randomized control trial (RCT).
 - Visited pre-schools across the city to pilot the content of the games.
- **Reserve Bank of India Young Scholar Award (2012)**
at the *Reserve Bank Staff College, Chennai India - May-August 2012*
 - **Achievement:** Ranked 10 among 46,104 takers in the all-India entrance examination conducted by the Reserve Bank of India.
 - **Project:** Submitted an undergraduate research paper titled: *Foreign Exchange Markets in India - Evolution and Future.*

AWARDS, SCHOLARSHIPS AND RECOGNITION

- Received the **John Kenneth Galbraith Prize, 2019** for outstanding dissertation research, awarded annually by the Department of Economics (UMass, Amherst).
- **PERI Dissertation Fellowship, 2019:** Received a fellowship from the Political Economy Research Institute for Spring 2020 semester towards the completion of my dissertation.
- Nominated for the **Distinguished Teaching Award, 2018** at the Institute for Teaching Excellence and Faculty Development (UMass, Amherst).
- **University Fellowship (UMass Amherst):** Received a graduate fellowship from the University of Massachusetts for Spring 2015 to pursue graduate coursework.
- Received the **University Gold Medal in Economics, 2014** for securing the highest cumulative grade point average in the graduating class.

- **Study of United States Institutes for Student Leaders on Women's Leadership**

at the University of Kansas, Lawrence - Summer 2011

- **Achievement:** Was one of the 3 women to be selected from India for the scholarship sponsored by the US Department of State (Bureau of Cultural and Educational Affairs).
- **Project:** Underwent a practical training program on design thinking and adaptive leadership along with women from six different countries.
- Submitted a proposal for a Social Innovation Project as a part of the curriculum.

VOLUNTEERING AND LEADERSHIP EXPERIENCE

- **Graduate Student Member of the Graduate Studies Committee, Department of Economics**

UMass Amherst, Fall 2016 and Spring 2017

- Served on a committee consisting of faculty and graduate students.
- Collaboratively created an agenda for restructuring the graduate Economics curriculum in order to better support PhD research projects.

- **Editorial Team, Center for Popular Economics (Blog)**

at UMass, Amherst, Fall 2014, Spring 2015, Summer 2015

- Contributed editorial pieces and provided editorial and administrative services to guest writers.

- **Tutor, Teacher Trainer and English Project Head at Make a Difference**

Worked in various capacities with children from underprivileged background - 2009 - 2014, Hyderabad India

- Created, curated and executed the English language curriculum for 23 chapters across the country.
- Conducted teacher training sessions for 100 tutors in Bangalore, New Delhi and Chennai.
- Tutored 25 children in spoken and written English over 5 years through weekly study sessions.

TECHNICAL SKILLS

- **Tools** (RStudio, STATA, NetLogo), **Script** (STATA, R), **Languages** (C++), **Publishing** (LaTeX, HTML)

RELEVANT COURSEWORK

- Mathematics for Economics, Macroeconomics, Behavioral and Structuralist Macroeconomics, Microeconomics
- Game Theory, Microeconomics of Conflict and Cooperation, Economic Development: Structural Problems
- Economic Development: Policy Issues, Econometrics, Advanced Econometric Analysis, Economic History
- Independent Study on Social and Economic Networks with Prof. Samuel Bowles, Political Economy - I

ADDITIONAL ONLINE COURSES

- **Introduction to complexity:** An introductory course on complex systems, and agent-based modeling, completed from the *Santa Fe Institute's Massive Open Online Course* (Summer 2015)

REFERENCES

Deepankar Basu (Dissertation Advisor)

Associate Professor of Economics
University of Massachusetts, Amherst
310 Crotty Hall
Email: dbasu@econs.umass.edu

Samuel Bowles

Professor and Director of the Behavioral Sciences Program
Santa Fe Institute
Email: samuel.bowles@gmail.com

Daniele Girardi

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Ina Ganguli

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