

# Rayyan Saad Mobarak

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## EDUCATION

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**University of Maryland**, Ph.D. in Agricultural and Resource Economics  
**Macalester College**, B.A in Economics and Applied Mathematics & Statistics

exp. May 2028  
May 2021

## PEER-REVIEWED PUBLICATIONS

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Kai Ruggeri, David G. Rand, Eli J. Finkel, Michele Gelfand, Alia Crum, Cass R. Sunstein, Jay J. Van Bavel, Robb Willer, Katherine L. Milkman, ... **Rayyan S. Mobarak**, et al. "A synthesis of evidence for policy from behavioural science during COVID-19." *Nature* (2023). <https://doi.org/10.1038/s41586-023-06840-9>

Katherine L. Milkman, Linnea Gandhi, Sean F. Ellis, Heather N. Graci, Dena M. Gromet, **Rayyan S. Mobarak**, Allison M. Bутtenheim, Angela L. Duckworth, Devin Pope, Ala Stanford, Richard Thaler & Kevin G. Volpp. "A citywide experiment testing the impact of geographically targeted, high-pay-off vaccine lotteries." *Nature Human Behaviour* (2022): 1-10. <https://doi.org/10.1038/s41562-022-01437-0>

## WORKING PAPERS

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Katherine L. Milkman, Sean F. Ellis, Dena M. Gromet, Alex S. Luscher, **Rayyan S. Mobarak**, Madeline K. Paxson, Ramon A. Silvera Zumaran, Robert Kuan, Ron Berman, Neil A. Lewis Jr., John A. List, Mitesh S. Patel, Christophe Van den Bulte, Kevin G. Volpp, Maryann V. Beauvais, Jonathon K. Bellows, Cheryl A. Marandola, Angela L. Duckworth. "How Do Free Rides and Text Reminders Affect COVID-19 Vaccinations? A 3.66-Million Person Megastudy." R&R at *Nature*.

## RESEARCH ASSISTANTSHIP EXPERIENCE

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### University of Maryland

Aug 2023 – Present

*Research Assistant, Department of Agricultural and Resource Economics*

- Assist Prof. Lars Olson estimate demand functions for marine resource imports under international trade
- Collect and clean, export and import data of fishery and aquaculture products from FAO United Nations

### The Wharton School, University of Pennsylvania

Jun 2021 – Jul 2023

*Pre-Doctoral Fellow, Behavior Change for Good Initiative*

- Coauthor, alongside a multidisciplinary team of scientists, three papers that implement and analyze:
  - A city-wide geographically-targeted lottery, incentivizing adult first-dose COVID-19 vaccination rates
  - An RCT nudging customers of a large U.S. bank to increase savings account transfers, and
  - An RCT incentivizing and nudging eligible individuals to take the COVID-19 booster
- Clean, summarize, and visualize large administrative datasets
- Conduct regression analysis, matching, randomization inference, spatial analysis, and hypothesis tests
- Lead journal submissions, and incorporate and respond to referee comments

### University of Minnesota

Oct 2019 – Aug 2020

*Research Assistant, Department of Applied Economics*

- Assist Prof. Paul Glewwe with two papers:
  - An RCT impacting educational outcomes through teacher training programs within Nepal, and
  - A study of factors behind the strong academic performance of 15-year-olds in Vietnam
- Conduct literature reviews, proofread reports, and formatted tables of regression output

## **TEACHING EXPERIENCE**

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### **Pathways to Research and Doctoral Careers**

Jun 2022

#### *Mentor and Panelist*

- Mentor undergraduates, providing advice on attaining and excelling at Pre-Doctoral fellowships in economics
- Conduct Stata coding sessions, teaching students how to work through econometric tests
- Serve on a panel with Pre-Doctoral candidates and managers, answering live questions from participants

### **Macalester College**

Sep 2020 – May 2021

#### *Teaching Assistant, Introduction to Econometrics*

- Aid with homework, test preparation, and Stata programming within weekly sessions
- Grade homework assignments and provide constructive feedback
- Assist students' term papers with topic ideas, identification strategies, and data management

## **GRANTS**

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### **Macalester Summer Internship Grant (\$2500)**

Jun 2020

## **TECHNICAL SKILLS**

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*Languages:* Stata (advanced), R (intermediate), Python (intermediate), SAS (beginner)

*Other:* LaTeX, Qualtrics, HTML & CSS