

# MEGHA JOSHI

Experienced statistician with strong background in causal inference. I drive impact and growth by infusing businesses and teams with data-driven insights and scientifically-driven solutions.



## EXPERIENCE

2017  
|  
Present

### Graduate Research Assistant

The University of Texas at Austin

📍 Austin, Texas

- Developed generalized boosted models to estimate propensity scores to evaluate the impact of a college preparatory program.
- Integrated large relational datasets containing information on all students in Texas schools from multiple sources. Wrangled the data for analysis.

2018

### Graduate Research Assistant

The University of Texas at Austin

📍 Austin, Texas

- Developed propensity score models to evaluate School of Undergraduate Studies programs.
- Created visualizations (R::ggplot) of impact analyses and automated creation of reports using R Markdown.
- Led a workshop on impact assessment.

2015-  
2016

### Integrated Community Development Intern

A Glimmer of Hope Foundation

📍 Austin, Texas

- Analyzed data related to health, education, water, sanitation, and micro-finance projects carried out by the organization in Ethiopia.
- Developed a method to estimate the number of people who have benefited from the projects.



## TEACHING EXPERIENCE

2015  
|  
Present

### Graduate Teaching Assistant

The University of Texas at Austin

📍 Austin, Texas

- Assisted in the following courses: Data Analysis, Simulation, Programming in R; Research Design; and, Statistics in Market Analysis.
- Effectively communicated complex statistical methods to students with little prior background in the field.



## EDUCATION

2020  
(expected)

### The University of Texas at Austin

PhD in Quantitative Methods

📍 Austin, Texas

Thesis: Cluster wild bootstrapping to handle dependent effect sizes in meta-analysis

2014

### Bryn Mawr College

BA in Art History and Psychology

📍 Bryn Mawr, Pennsylvania

## CONTACT INFO

✉ [megha.j456@utexas.edu](mailto:megha.j456@utexas.edu)

🌐 [meghapsimatrix.com](http://meghapsimatrix.com)

🔗 [github.com/meghapsimatrix](https://github.com/meghapsimatrix)

📞 469-235-3003

For more information, please contact me via email.

## SKILLS

Statistical analysis and data visualization

Causal inference, experimental design, and missing data analysis

Machine learning

R, Python, SQL, Git, Tableau

## R PACKAGE

[simhelpers 0.1.0](#)

*This resume was made with the R package [pagedown](#).*

*Last updated on 2020-03-31.*