

MEGHA JOSHI

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



EXPERIENCE

2017
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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
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Present

Graduate Teaching Assistant

The University of Texas at Austin

📍 Austin, Texas

- Assisted in the following courses: Causal Inference; Data Analysis, Simulation, and Programming in R; 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

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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 2020-06-16.