

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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🔗 github.com/meghapsimatrix

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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 2020-07-14.