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 | 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 microfinance 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

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For more information, please contact me via email.

SKILLS

Statistical analysis and data vizualization

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.