

Abhraneel Sarma

abhraneel@u.northwestern.edu
abhsarma.github.io

Research Interests

I am interested in studying how people interpret visualizations, and how visualizations can be used for improving statistical analysis or reporting statistical results.

Education

- 2019 - present **PhD, Computer Science, Northwestern University**
Advisor: Jessica Hullman
- 2016 - 2018 **Master of Science, Information, University of Michigan**
HCI and Data Science specialization
Advisor: Matthew Kay
Thesis: Tell don't just show: Narratives improve recall more than interactivity for communicative visualizations
- 2012 - 2016 **Bachelors in Design, Indian Institute of Technology Guwahati**
Minor in Mechanical Engineering

Publications

Conference publications

- 2020 **Prior Setting in Practice: Strategies and Rationales Used in Choosing Prior Distributions for Bayesian Analysis**
Abhraneel Sarma and Matthew Kay
CHI 2020: Conference on Human Factors in Computing Systems
- 2019 **Increasing the Transparency of Research Papers with Explorable Multiverse Analyses**
Pierre Dragicevic, Yvonne Jansen, Abhraneel Sarma, Matthew Kay, and Fanny Chevalier
CHI 2019: Conference on Human Factors in Computing Systems

Work Experience

- 2019 - present **Graduate Research Assistant**
MUCollective, Northwestern University
- 2016 - 2019 **Graduate Research Assistant** (*full time researcher, May 2018 onwards*)
MUCollective, University of Michigan

- 2017 **User Experience Intern**
Office of Academic Innovation, University of Michigan
- 2015 **Research Intern**
Keio-NUS CUTE Center, National University of Singapore

Teaching

Graduate Student Instructor, SI588 *Fundamentals of Human Behavior*
University of Michigan School of Information

Graduate Student Instructor, SI330 *Data Manipulation in Python*
University of Michigan School of Information

Service

Student Volunteer, IEEE VIS 2018, Berlin, Germany

Student Volunteer, IEEE VIS 2017, Phoenix, AZ, USA

Grants

MSI Travel Grant, University of Michigan School of Information for CHI 2017

MSI Research Funding, University of Michigan School of Information for
data collection for Master's Thesis

Relevant Coursework

SI 649: Information Visualization

STATS 500: Linear Regression

BIOSTATS 682: Applied Bayesian Statistics

SI 630: Natural Language Processing

SI 618: Data Manipulation and Analysis

Skills

Technical Skills

R, JavaScript, Python, SQL, C/C++ and Latex