

Abhraneel Sarma

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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

Work Experience

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

Publications

Conference publications

2018 **Tell don't just show: Narratives improve insight more than interactivity in communicative visualizations ***

Abhraneel Sarma and Matthew Kay

CHI 2019: Conference on Human Factors in Computing Systems

- 2018 **Bayesian framing and uncertainty displays: Effects on interpretation of statistics and publication decisions ***

Abhraneel Sarma, Maulishree Pandey, and Matthew Kay

CHI 2019: Conference on Human Factors in Computing Systems

- 2018 **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

* Denotes papers submitted for peer-review, pending final decision from reviewers

Posters

- 2017 **Elevate: Ensuring Access to Food for Homeless Populations**

Nisha Mohan, and Abhraneel Sarma

Student Design Competition, CHI 2016: Conference on Human Factors in Computing Systems

Teaching

- FA 2017 **Graduate Student Instructor, SI588 Fundamentals of Human Behavior**

University of Michigan School of Information

- WN 2018 **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