

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

- 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 – present **Graduate Research Assistant** (*full time researcher, May 2018 onwards*)
HDI Lab, 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