

Chase Stokes

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Researching and studying the integration of visualizations and language. How does language in a visualization affect reader interpretation? How should we combine these two mediums of communication?

EDUCATION

PhD. in Information Science 2021 – present
University of California at Berkeley
Advisor: Marti Hearst, PhD.

B.A. in Psychology and Gender and Sexuality Studies 2021
Northwestern University, GPA 3.92
Advisor: Steven Franconeri, PhD.

RESEARCH EXPERIENCE

Graduate Student Researcher 2021 – present
Hearst Lab, UC Berkeley

Undergraduate Research Assistant 2018 – 2021
Visual Thinking Lab, Northwestern University

Data Collector Summer 2021
Couple and Family Development Lab, The Family Institute at Northwestern University

Undergraduate Research Assistant 2019 – 2021
Couple and Family Development Lab, The Family Institute at Northwestern University

Undergraduate Summer Intern Summer 2019
Couple and Family Development Lab, The Family Institute at Northwestern University

PUBLICATIONS

Stokes, C., Setlur, V., Cogley, B., Satyanarayan, A., and Hearst, M.A. (2022). Striking a Balance: Reader Takeaways and Preferences when Integrating Text and Charts. *IEEE Transactions on Visualization and Computer Graphics*.

Xiong, C., **Stokes, C.**, Kim, Y. S., & Franconeri, S. (2022). Seeing What You Believe or Believing What You See? Belief Biases Correlation Estimation. *IEEE Transactions on Visualization and Computer Graphics*.

Stokes, C., and Hearst, M.A. (2022). Why More Text is (Often) Better: Themes from Reader Preferences for Integration of Charts and Text, *NLVIZ Workshop, IEEE Transactions on Visualization and Computer Graphics*.

Stokes, C., and Hearst, M.A. (2021). Give Text A Chance: Advocating for Equal Consideration for Language and Visualization, *NLVIZ Workshop, IEEE Transactions on Visualization and Computer Graphics*.

POSTERS AND PRESENTATIONS

Stokes, C., Xiong, C., & Hearst, M.A. (2022, Nov). *Driving Reader Interpretations with Text Annotations in Data Visualizations*. Poster presented at Society for Judgement and Decision Making, San Diego, CA.

Xiong, C., **Stokes, C.,** Lovett, A., & Franconeri, S. (2021, May). *Visual Salience and Grouping Cues Guide Relation Perception in Visual Data Displays*. Poster presented at Virtual Vision Sciences Society.

Stokes, C., Xiong, C., & Franconeri, S. (2020, May). *Seeing What You Want: Prior Belief Biases Perception of Correlation in Scatterplots*. Poster presented at Virtual 32nd APS Annual Convention, Chicago, IL.

Callahan, C., **Stokes, C.,** & Lawrence, E. (2020, May). *Modifying the Relationship Quality Interview for Sexual and Gender Minority Couples*. Accepted Poster Presentation at the 8th Annual LGBTQ Research Symposium at the University of Illinois at Urbana-Champaign. (Conference Canceled)

FELLOWSHIPS, AWARDS, AND HONORS

Fellowships

NSF Graduate Research Fellowship Program Recipient	2023
Ford Foundation Predoctoral Fellowship Honorable Mention	2023
School of Information Fellowship for Doctoral Study	2021 – 2022

Awards

National Merit Finalist	2017 – 2021
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Honors

Departmental Honors - Psychology	2021
Phi Beta Kappa	2021
Northwestern University Dean's List with Distinction	2017 – 2021

GRANTS

Northwestern Summer Undergraduate Research Grant (\$3,500)	Summer 2020
Visual Grouping Affords Different Comparison Patterns in Visualized Data	
Northwestern Academic Year Research Grant (\$1,000)	2020
Variations in Conclusions Afforded by Chart Type	

STUDENT LEADERSHIP ROLES

NorCal Visualization Group Organizer	2022 – present
<i>Organized 6 unique speakers for hour-long seminar</i>	

Trainings Chair

	2019 – 2020
<i>Masculinity, Allyship, Reflection, and Solidarity (M.A.R.S.)</i>	

Participant Coordinator,	2019 – 2020
Pre-Orientation Program Coordinator	2018 – 2019
<i>Alternative Student Breaks (A.S.B.)</i>	

Programming Committee	2018 – 2019
<i>Rainbow Alliance</i>	

STUDENT MEMBERSHIPS

Association for Computing Machinery, Student Member	2021 – present
Psychonomic Society, Student Member	2021 – present
Cognitive Science Society, Student Member	2021 – present
Society for Judgment and Decision Making, Student Member	2021 – present

AD-HOC REVIEWS

Journal of Official Statistics	2023
Transactions on Visualization and Computer Graphics (TVCG)	2023
ACM Computer-Human Interaction (CHI)	2022
IEEE VIS Short Papers	2022
Creativity & Cognition	2021

SERVICE AND OUTREACH

25th Anniversary of the Master of Information Management and Systems <i>Facilitated 2 30-minute panels</i>	2022
PhD. Applicant Feedback Program	2022
Student Volunteer at IEEE VIS	2022
Washington University School of Medicine Mini-Medical School Panelist	2019, 2021
Alternative Student Breaks	2017 – 2019
College Mentors for Kids	2017 – 2019

REFERENCES PROVIDED UPON REQUEST