Chase Stokes

cstokes@ischool.berkeley.edu
chasejstokes.github.io

I am a mixed methods researcher situated at the intersection of language and visualization. My work focuses on the challenges and opportunities presented by multimodal information displays, delving into how language shapes the reader's experience and understanding. I aim to identify best practices for integrating text and visualizations and improve the effectiveness of information 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

Research Intern   Summer 2023
Tableau

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

Bearfield, C. X., **Stokes, C.,** Lovett, A., & Franconeri, S. (2023). What Does the Chart Say? Grouping Cues Guide Viewer Comparisons and Conclusions in Bar Charts. IEEE Transactions on Visualization and Computer Graphics.

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.

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.

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. (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 – present
Ford Foundation Predoctoral Fellowship Honorable Mention	2023
School of Information Fellowship for Doctoral Study	2021 – 2022

Awards

National Merit Finalist	2017 – 2021

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

Underrepresented Applicant Feedback Program   2023
Co-coordinated initiative to provide feedback to underrepresented PhD. applicants

NorCal Visualization Group Organizer   2022 – 2023
Organized 6 unique speakers for hour-long seminars

Trainings Chair   2019 – 2020
Masculinity, Allyship, Reflection, and Solidarity (M.A.R.S.)

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

Programming Committee   2018 – 2019
Rainbow Alliance

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

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

SERVICE AND OUTREACH

25th Anniversary of the Master of Information Management and Systems   2022
Facilitated two 30-minute panels

PhD. Applicant Feedback Program   2022
Provided feedback to underrepresented applicants

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