

# Chase Stokes

cstokes@ischool.berkeley.edu

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Researching the intersection of language and visualization. How should we present multimodal information? How does language affect reader experience and understanding?

## EDUCATION

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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

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**Research Intern** Summer 2023  
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**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

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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

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- 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

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### 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

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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

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

<b>Trainings Chair</b> <i>Masculinity, Allyship, Reflection, and Solidarity (M.A.R.S.)</i>	2019 – 2020
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<b>Participant Coordinator,</b>	2019 – 2020
<b>Pre-Orientation Program Coordinator</b>	2018 – 2019
<i>Alternative Student Breaks (A.S.B.)</i>	

<b>Programming Committee</b> <i>Rainbow Alliance</i>	2018 – 2019
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## **STUDENT MEMBERSHIPS**

<b>Association for Computing Machinery</b> , Student Member	2021 – present
<b>Psychonomic Society</b> , Student Member	2021 – present
<b>Cognitive Science Society</b> , Student Member	2021 – present
<b>Society for Judgment and Decision Making</b> , 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)	2022-2023
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 <i>Coordinated and provided feedback to underrepresented applicants</i>	2022-2023
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

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REFERENCES PROVIDED UPON REQUEST