

Chase Stokes

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Researching and studying the integration of visualizations and language. How do text elements of 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

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| School of Information Fellowship for Doctoral Study | 2021 – 2022 |
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Awards

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| National Merit Finalist | 2017 – 2021 |
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Honors

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| 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 | |

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| Northwestern Academic Year Research Grant (\$1,000) | 2020 |
| Variations in Conclusions Afforded by Chart Type | |

STUDENT LEADERSHIP ROLES

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| NorCal Viz Group Organizer | 2022 – present |
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Trainings Chair

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

Pre-Orientation Program Coordinator

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| 2019 – 2020 |
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| 2018 – 2019 |
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Alternative Student Breaks (A.S.B.)

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| Programming Committee <i>Rainbow Alliance</i> | 2018 – 2019 |
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STUDENT MEMBERSHIPS

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| 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 |

REVIEWS/ACADEMIC SERVICES

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| Reviewer for ACM Computer-Human Interaction (CHI) | 2022 |
| Reviewer for IEEE VIS Short Papers | 2022 |
| Ad-hoc reviewer for Creativity & Cognition | 2021 |

SERVICE AND OUTREACH

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| 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