

HANDE BATAN

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EDUCATION

University of Colorado Boulder Ph.D. in Information Science <i>Advisor: Dr. Leysia Palen</i>	<i>August 2021 - May 2025 (expected)</i> GPA: 3.89
University of Colorado Boulder M.S. in Information Science <i>Advisor: Dr. Leysia Palen</i>	<i>January 2020-May 2021</i> GPA: 3.80
University of Colorado Boulder B.S. in Business Analytics and Entrepreneurship & Strategy Minor in Information Science	<i>August 2015-May 2019</i>

RESEARCH INTERESTS

Vaccine Compliance, Public Health, Mis- and Disinformation, Human-Computer Interaction, Computational Social Science

SKILLS

Qualitative	Semi-structured Interviews, Surveys, Inductive Thematic Analysis, Content Analysis, Inductive Coding, Wireframing, Observation
Technical	Python 3.6.4, MySQL, Microsoft Excel, Alteryx, Tableau, R, HTML, CSS, P5.js

PUBLICATIONS

- Diamond L., **Batan H.**, Anderson J., Palen, L., “The Polyvocality of Online COVID-19 Vaccine Narratives that Invoke Medical Racism” 2022 Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI 2022) **Best Paper Honorable Mention**
- **Batan, H.**, Radpour, D., Kehlbacher, A., Klein-Seetharaman, J., Paul, M.J., (2021) Natural vs. Artificially Sweet Tweets: Characterizing Discussions of Non-nutritive Sweeteners on Twitter. In: Shaban-Nejad A., Michalowski M., Buckeridge D.L. (eds) Explainable AI in Healthcare and Medicine. Studies in Computational Intelligence, vol 914. Springer, Cham. https://doi.org/10.1007/978-3-030-53352-6_16300
- **Batan, H.**, Radpour, D., Kehlbacher, A., Klein-Seetharaman, J., Paul, M.J., “Natural vs. artificially sweet tweets: characterizing discussions of non-nutritive sweeteners on Twitter”. AAAI International Workshop on Health Intelligence (W3PHIAI), New York, New York. February 2020.

RESEARCH EXPERIENCE

Research Assistant <i>COVID-19 Vaccine Narratives that Invoke Medical Racism</i>	May 2021-December 2021
· Conducted research performing qualitative inductive thematic analysis on tweets about the COVID-19 vaccine that invoke medical racism	
Research Assistant <i>Natural vs. Artificially Sweet Tweets</i>	May 2021-December 2021

- Conducted various qualitative methods to analyze tweets to understand the public perception of artificial sweeteners and detect misinformation.

TEACHING EXPERIENCE

Graduate Teaching Assistant

INFO 1201: Computational Reasoning 1; Instructor: Chris Carruth	Fall 2022
INFO 1201: Computational Reasoning 1; Instructor: Jason Zietz	Spring 2022
INFO 1101: Computation in Society; Instructor: Chris Carruth	Spring 2021
CMCI 1010: Concepts and Creativity; Instructor: Lecia Baker	Fall 2021
INFO 1201: Computational Reasoning 1; Instructor: Jason Zietz	Spring 2020

PROJECTS

Vaccine Disinformation in Reproductive Health

January 2022 - Current

- Analyzed Twitter data using mixed-methods to explain the spread of mis- and disinformation concerning women's health after the COVID-19 vaccine

Vaccine Hesitancy

January 2022 -Current

- Conducted over a dozen interviews with ex-hesitant and ex-anti-vax individuals to understand the role of information and online platforms in their acceptance of vaccines

Landscape of Twitter's Deception: Bots and Automation

August 2020-May 2021

- Investigated the legal, technical, and business of bots on Twitter. Purchased bots to analyze the behaviors and features by collecting data using Twitter API.

Detecting Content Change in Text Data

Fall 2019

- Created a web interface that displayed labeled documents with color coding according to the similarities between sentences.

ACADEMIC SERVICES

Graduate Student Vice President, Information Science	2022-2023
Graduate Student Association (GSA) International Representative	2021-2022