

HANDE BATAN

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EDUCATION

University of Colorado Boulder

Ph.D. in Information Science

Advisor: Dr. Leysia Palen

August 2021 - May 2025 (expected)

GPA: 3.89

University of Colorado Boulder

M.S. in Information Science

Advisor: Dr. Leysia Palen

January 2020-May 2021

GPA: 3.80

University of Colorado Boulder

B.S. in Business Analytics and Entrepreneurship & Strategy

Minor in Information Science

August 2015-May 2019

RESEARCH INTERESTS

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

SKILLS

UX Skills

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

POSTERS

- 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

RESEARCH EXPERIENCE

Research Assistant

May 2021-December 2021

COVID-19 Vaccine Narratives that Invoke Medical Racism

- Conducted research performing qualitative inductive thematic analysis on tweets about the COVID-19 vaccine that invoke medical racism

Research Assistant

May 2021-December 2021

Perception of Natural vs. Artificially Sweet Tweets

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

TEACHING EXPERIENCE

Instructor

INFO 1101: Computation in Society

Summer 2022

Graduate Teaching Assistant

INFO 1701: Programming for Information Science 1; Instructor: Jason Zietz

Spring 2023

INFO 1201: Computational Reasoning 1; Instructor Zietz, 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 Barker

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

Master's Project: 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.

RANTS, HONORS AND PROFESSIONAL FELLOWSHIPS

CRA-W Graduate Cohort for Women Workshop

April 2023

ACADEMIC SERVICES

Graduate Student Vice President, Information Science

2022-2023

Graduate Student Association (GSA) International Representative

2021-2022