

Reagan R. Siggard

Assistant Professor

Utah State University | Jon M. Huntsman School of Business
Department of Data Analytics and Information Systems
3515 Old Main Hill | Logan, Utah 84322

Education

Ph.D., Utah State University, August, 2025

Major: Instructional Technology and Learning Sciences

Dissertation title: From Feedback to Insight: Using Hierarchical Clustering Analysis to Identify and Analyze Feedback Dimensions in Online Courses

Advisor: Dr. Lisa Lundgren

MS, Utah State University, 2020

Major: Management Information Systems

BS, Utah State University, 2019

Major: Management Information Systems

Academic Positions

Assistant Professor, Data Analytics and Information Systems, Utah State University, 2025-Present

Instructor, Data Analytics and Information Systems, Utah State University, 2020 - 2025

Graduate Instructor, Management Information Systems, Utah State University, 2019-2020

Graduate Research Assistant, Huntsman Scholar Program, Utah State University, 2019-2020

Teaching Assistant, Management Information Systems, Utah State University, 2017-2019

Teaching

Instructor – DATA 5360/6360: Data Warehousing

Spring 2022 – Present, Utah State University, Logan, Utah

Average class size: 21

Average teaching effectiveness rating: 56 (higher than average)

Instructor – MIS (DATA) 2100: Data and Information in Business

Fall 2020 – Present, Utah State University, Logan, Utah

Average class size: 123

Average teaching effectiveness rating: 59 (higher than average)

Instructor and Co-Course Developer – DATA 3400: Data Visualization with Tableau

Spring 2021 – Spring 2024, Utah State University, Logan, Utah

Average class size: 39

Average teaching effectiveness rating: 57 (higher than average)

Instructor – MIS (DATA) 3300: Intro to Modern Business Data Analytics

Summer 2020 – Present, Utah State University, Logan, Utah

Average class size: 55 students

Average teaching effectiveness rating: 58 (higher than average)

Instructor – MIS 3330: Database Management

Fall 2019 – Spring 2020, Utah State University, Logan, Utah

Average class size: 20 students

Average teaching effectiveness rating: 61 (higher than average)

Teaching Assistant – MIS 3330: Database Management

Fall 2017 – Spring 2019, Utah State University, Logan, Utah

Instructor: Dr. Robert Mills

* *Teaching effectiveness ratings provided by IDEA Course Evaluations adjusted average summary scores*

Research

Published Papers

1. Mills, R.J., Fadel, K.J., **Siggard, R.R.**, & Attiogbe, L. (in press). CAST: An AI-Embedded Canvas Interface for Scaffolding SQL Learning. *Journal of Information Systems Education*, 38(1).
2. **Siggard, R.R.**, & Lundgren, L. (2024) Leveraging Epistemic Network Analysis to Understand Peer Feedback in Online Courses. *Journal of Science Education and Technology*.
3. **Siggard, R.R.**, Kim, Y.S. (2023) Seasonality of Frequency and Intensity in Consumer Complaints: A Sentiment Analysis Approach *Journal of Utah Academy of Science, Arts, and Letters*. Best Business Paper Award.
4. **Siggard, R.R.**, Dupin-Bryant, P.A., Mills, R. J., & Olsen, D. H. (2022) Teaching Tip: Using SQL to create and mine large, customizable datasets. *Journal of Information Systems Education*, 33(3), 209-228.

Referred Conference Proceedings

1. Fadel, K., Mills, R. J., & **Siggard, R. R.** (2026). A Theoretical Model of Information Systems Analogical Learning. Forthcoming in Proceedings of the 59th Hawaii International Conference on System Sciences. Maui, HI.
2. Mills, R. J., Fadel, K. J., & **Siggard, R. R.** (2025). A conceptual framework for analogical learning in SQL: Reframing small teaching strategies for transfer. In Proceedings of the 65th International Association for Computer Information Systems Conference (p. 53). International Association for Computer Information Systems.

Abstract Presentations

1. **Siggard, R.R.**, Kim, Y.S., (2022, March). Seasonality of Frequency and Intensity in Consumer Complaints: A Sentiment Analysis Approach. Abstract presented at the 2021 Utah Academy Conference, Provo, Utah (Virtual). Utah Academy.
2. **Siggard, R.R.**, Mills, R. J, Dupin-Bryant, P. A., & Olsen, D. (2021, November). Debriefing an SQL exploratory activity to detect data anomalies, summary statistics, and potential fraud within a 100,000-invoice dataset. Abstract presented at the 2021 EDSIGCON (Education Special Interest Group Conference) on Information Systems and Computing Education, Washington, DC (Virtual). Information Systems and Computer Academic Professionals (ISCAP).

Poster Presentations

1. **Siggard, R.R.**, & Lundgren, L. (2024, March). Power of peer feedback: Creating connections in an online data analytics course. Annual International Conference for the National Association for Research in Science Teaching (NARST).

Workshop Involvement

1. Invited Panelist (2025, October). Instructional Design Summit for instructional designers within the state of Utah. Virtual.
2. Paper-a-thon (Accepted, 2024, December). International Conference on Information Systems.
3. Importance and Power of Data Visualizations (2022, November). Presented to Huntsman Scholar Program Analytical Rigor lab. Utah State University.
4. Data Visualization: Introduction to Tableau (2020, February). Presented to Jon M. Huntsman School of Business students. Utah State University.
5. Effective Chapter Leadership (2019, March). Presented to Association for Information Systems Student Chapter Leadership Conference attendees. Temple University.

Awards & Honors

Data Analytics and Information Systems Faculty Service Award, 2025

Jon M. Huntsman School of Business Teacher of the Year, 2023

Data Analytics and Information Systems Department Teacher of the Year, 2022

Management Information Systems Department Graduate Researcher of the Year, 2020

Jon M. Huntsman School of Business Outstanding Senior Award, 2019

President, Association for Information Systems Chapter of the Year, 2018-2019

Vice-President, Association for Information Systems Chapter of the Year, 2017-2018

Service

University Service

Member, Learning Analytics Working Group, Utah State University, 2021-2024

Member, Senior Data Analyst Hiring Committee, Utah State University, 2022

Member, University Awards Committee, Utah State University, 2021

College Service

Member, Experiential Learning Affinity Group, Utah State University, 2023 – 2024

Member, Huntsman Awards Committee, Utah State University, 2023

Global Vision Lab Trip Lead (Houston), Huntsman Scholar Program, 2022

Leadership Discussion Moderator, Huntsman Scholar Program, 2021

Differential Tuition Advisory Board, Jon M. Huntsman School of Business, 2019-2020

Department Service

Chair, Data Engineering Lecturer Hiring Committee, Utah State University, Present

Co-Creator, Sage Academy, Utah State University, 2025 - Present

Advisor, Association for Information Systems, Utah State University, 2021 - Present
Member, Data Ninja Scholarship Award Committee, Utah State University, 2022 – Present
Member, Tenure Track Web Dev. Hiring Committee, Utah State University, 2023 - 2025
Advisor, Women in Tech, Utah State University, 2022 – 2024
Creator, DAIS Project Showcase, Utah State University, 2022
Coach, Marketing and Sales Analytics Competition, Utah State University, 2021

Professional Service

Mini-Track Chair, Hawaii International Conference on System Sciences, 2026 - Present
Organizer, AIS Student Chapter Leadership Conference, Utah State University, 2024
Reviewer, AMCIS Conference, 2021

Other Activities

Lead Instructor, China Cooperative Academic Programs, 2020 - Present
Database Administrator, Data Analytics + Information Systems Department, 2020 - 2021
Technological Development Coordinator, Huntsman Scholar Program, 2020 - 2021

Technical Skills

Database Design, Data Modeling, dbt, Excel, PowerBI, Python, Snowflake, SQL, Tableau

Certifications

Effective Online Teaching Certificate, Association of College and University Educators, 2022
Tableau® Desktop Specialist, Tableau® 2021

References

Available upon request