

Astrid Van Haren

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EDUCATION

University of Massachusetts Amherst, MA - *Master of Science in Data Analytics and Computational Social Science* Expected May 2026
GPA: 4.0

Relevant Coursework: Data Science Fundamentals, Introduction to Quantitative Analysis, Research Design, Text as Data, Advanced Data-Driven Storytelling (In Progress), Python for Data Science (In Progress)

University of Massachusetts Lowell, MA – *Bachelor of Arts in Psychology* May 2024
GPA: 3.98

Dean's List: Fall 2021-Spring 2024

Relevant Coursework: Biostatistics, Addictions, Research Methods, Research Statistics

RELEVANT EXPERIENCE

Student Learning Assistant- University of Massachusetts Amherst, MA Sept 2024-Present

- Provide individualized tutoring to 10+ undergraduate student-athletes weekly in statistics, R programming, and research methods
- Support students in developing research-based projects, building data literacy, and interpreting quantitative data outputs
- Document detailed student progress for student support faculty while maintaining confidentiality and privacy compliance

Graduate Research Assistant- University of Massachusetts Amherst, MA Jan 2025-June 2025

- Co-authored comparative study on state-level community solar policies for commons governance
- Team lead for three graduate student researchers, coordinating meetings, delegating tasks, and serving as liaison with primary investigator
- Built and operationalized 10+ variables to evaluate policy frameworks using Excel, Python, and R for mixed-methods analysis

Research Assistant- University of Massachusetts Lowell, MA Jan 2022-Aug 2022

- Contributed to an empirical study examining mock trial jurors' decision-making associated with defendant ethnicity and eyewitness credibility
- Collected and analyzed mock trial data using SPSS, conducting ANOVA tests to evaluate patterns in guilty verdicts and severity of punishment
- Synthesized results into an academic report containing policy recommendations and insights for decision-making processes among jurors

PROJECTS

- University Student Sleep and GPA
 - Investigated the relationship between sleep time per night and cumulative GPA on term GPA in a sample of first-year university students

- Utilized R and multivariate statistical modeling to write an academic report
- Framing Deregulation in Trump's Environmental Executive Orders and Speeches
 - Analyzed Trump's public speeches and executive orders in 2017-2025 to examine how the language of the Trump administration frames energy, climate, and regulatory priorities
 - Performed dictionary-based text analysis in R
- Food Access in Massachusetts (In-Progress)
 - Using Python, evaluating how poverty levels and vehicle access can impact getting to grocery stores in urban and rural areas in Massachusetts
- International Public Interest in Cancer (In-Progress)
 - Analyzing global trends in public interest for cancer-related topics from 2015-2025 in Python