

MADISON HESS

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EDUCATION

University of Massachusetts Amherst, Amherst, MA <i>Master of Science, Data Analytics & Computational Social Science</i> <i>Coursework: Data Science Fundamentals, Data Preprocessing, Social Influence & Persuasion, Computational Social Science Methods, News & Public Opinion, Research Design</i>	Expected Dec 2025
University of Portland, Portland, OR <i>Bachelor of Arts in Sociology, Minor in Mathematics</i>	2024
Peninsula College, Port Angeles, WA <i>Associate of Arts</i>	2021

SKILLS & COMPETENCIES

Programming & Tools: Qualtrics, R, SPSS, Python, Java, Excel, ArcMap, GeoDa, GitHub, TIGER/Line Shapefiles
Data Analysis: Statistical Analysis, Network Analysis, Data Visualization, Data Cleaning, Predictive Modeling
Research & Evaluation: Survey Design & Administration, Data Reporting, Literature Reviews
Communication: Strong written and oral communication, report writing, and documentation
Project Management: Event coordination, scheduling, logistics, team collaboration

EXPERIENCE

Seaport Research Partners, New York, NY – Research Intern	Mar 2025 – present
<ul style="list-style-type: none">Collaborate with equity research analyst Daniel McKenzie (airlines sector) to build out comprehensive financial models for multiple airlines contributing to investment research and sector analysis.Utilize advanced Excel and financial modeling techniques to forecast and analyze key performance indicators in the airline industry, assisting in the formulation of investment strategies.Work directly with the co-head of Seaport Research to design and implement an interactive dashboard in R, improving data visualization and readability for analysts and clients.Code and develop original R scripts to streamline data analysis, automate tasks, and enhance report generation, enabling more efficient decision-making and analysis for stakeholders.	
Hyannisport Golf Club, Hyannis Port, MA – Front Desk Receptionist	May 2024 – Aug 2024
<ul style="list-style-type: none">Managed member communications and reservations, ensuring a seamless positive customer experience.	

- Supported event coordination by assisting with logistics, managing guest lists, and ensuring smooth execution of events.
- Prepared daily floor plans and schedules to streamline operations and assist the team in maintaining efficient workflows.

Portland Tennis & Education, Portland, OR – Program Assistant Feb 2024 – May 2024

- Provided academic support to K-8 students, enhancing their understanding of core subjects in a dynamic, inclusive environment.
- Designed and facilitated life skills workshops, fostering teamwork, leadership, and personal growth among students.
- Mentored students individually and in groups, promoting positive behavior and academic success.

ACADEMIC PROJECTS

Senior Capstone: News Consumption Habits, University of Portland Fall 2023

- Carefully designed a quantitative survey through Qualtrics assessing differences in news consumption habits and political knowledge across generations (Gen Z through Baby Boomers)
- Distributed the survey across several social media platforms and gathered around 150 responses
- Utilized SPSS to generate tables and perform statistical analyses, such as Chi-Squared and ANOVA tests
- Compiled a 25-page report including a thorough literature review, data tables, and discussion of survey results

HONORS & AWARDS

Phi Theta Kappa Honor Society Member	Spring 2020
President's Medal, Peninsula College	June 2021
Alpha Lambda Delta Honor Society Member	Fall 2021
Alpha Kappa Delta Honor Society Member	Spring 2024