

Grace Liu

RESEARCH ANALYST

SAINT PAUL, MINNESOTA GRACELIU.ME

PROFESSIONAL EXPERIENCE

RESEARCH ANALYST, STATE HEALTH ACCESS DATA ASSISTANCE CENTER (SHADAC)

MINNEAPOLIS, MN – JUNE 2023 - PRESENT

- Acquire, clean, code, and analyze large survey datasets using STATA to identify health trends and provide technical assistance to state agencies and policymakers.
- Lead the administration and quality assurance of the [State Health Compare](#) tool.
- Create sophisticated data visualizations to effectively communicate research findings.
- Ensure reproducibility of research methods by developing comprehensive documentation.
- Compose deliverables for stakeholders in various formats, including written products, data tables, and data visualizations.

TRAUMA SYSTEMS STUDENT WORKER, MN DEPT OF HEALTH OFFICE OF RURAL HEALTH & PRIMARY CARE

SAINT PAUL, MN – FEB. 2022 - JUNE 2023

- Analyzed data as the lead epidemiologist to drive Minnesota Statewide Trauma System improvement.
- Created multiple merged data sets using trauma registry, definitive care hospital, and border hospital data.
- Produced an influential data quality report in an effort to increase funding by analyzing trauma system benchmarks.
- Developed a GIS map of state hospital designation levels and drive-time buffers.

VOLUNTEER EXPERIENCE

BOARD MEMBER, HAMLINE-MIDWAY COALITION

SAINT PAUL, MN – MAY 2024 - PRESENT

- Serve as a representative of a racially and economically diverse community, both within the neighborhood and with other governmental bodies, developing strategies and advocating for the needs of neighbors.

COMMUNITY BUILDING COMMITTEE VICE CHAIR, HAMLINE-MIDWAY COALITION

SAINT PAUL, MN – JUNE 2024 - PRESENT

- Lead a new committee, strategizing on how to build and strengthen community in the neighborhood while constantly evaluating committee procedures and processes.

RESEARCH ASSISTANT, SENSIBLE MINNESOTA

SAINT PAUL, MN – FEB. 2018 - PRESENT

- Conduct extensive literature reviews to develop evidence-based health policy recommendations for the Minnesota Department of Health's Office of Medical Cannabis.

EDUCATION

MASTERS OF PUBLIC HEALTH - EPIDEMIOLOGY (MINORS: HEALTH EQUITY & BIOSTATISTICS)

UNIVERSITY OF MINNESOTA, MINNEAPOLIS, MN – JUNE 2023

- Master's thesis: *Health, Place, and Class* - Examined the relationship between level of rurality, demographic identity, socioeconomic status, and infrastructure as predictors of self-reported poor health using National Health Interview Survey (NHIS) data.

SKILLS

Interpersonal: Leadership, Project Management, Problem Solving, Cross-Cultural Communication, Teamwork

Technical: Experimental Design, Technical Reading & Writing, Statistical Analysis & Hypothesis Testing, Literature Review

Analytics: SAS (★★★★☆), STATA (★★★★☆), SQL (★★★☆☆), R (★★★☆☆), Python (★★☆☆☆)

Visualization: ArcGIS (★★★★☆), Tableau (★★★☆☆)