

**Adaline Powell**

**Graduate Student**

(920) 843-7375 | [adalinebrynnpowell@gmail.com](mailto:adalinebrynnpowell@gmail.com) | Milwaukee, WI 53212

LinkedIn: <https://www.linkedin.com/in/adaline-powell177>

## Projects

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### **Menth Health Observation & Crisis Response Mapping (Sept 2024)**

*ArcGIS • Spatial Analysis • Data Visualization*

- Analyzed spatial patterns of non-violent crisis and mental health-related calls in Wauwatosa.
- Identified spatial hotspots and coldspots, evaluated overlap with community resources, transient population density, and NARCAN administration points.
- Delivered maps, a technical report, and a presentation to the Wauwatosa Health Department and Police Department with recommendations for resource allocation and crisis response planning.

### **YouTube Gaming Engagement Analysis (Current)**

*Python • SQL • Exploratory Data Analysis • Modeling • Predictive Analytics*

- Collected YouTube video data to examine engagement patterns and content performance.
- Used R and Python to clean and model engagement metrics.
- Identify key video characteristics that drive and predict engagement.

## Relevant Work Experience

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### **Argosy Foundation – Research Assistant**

Milwaukee, WI | June-August 2023 | September–December 2025

#### **Project 1: Nonprofit Financial Practices Analysis**

- Collected financial data from nonprofit organizations.
- Analyzed savings behavior and modeled how varying thresholds affect sector-wide grant eligibility.
- Developed tables, visual summaries, and scenario analyses for decision-making.
- Presented insights to internal stakeholders and delivered data-driven recommendations.

#### **Project 2: Foundation Strategy & Public Communication Analysis**

- Compiled datasets of peer foundations and sector leaders; cleaned and validated public statements.
- Conducted text analysis and topic modeling to extract themes from statements.
- Generated descriptive statistics on statement themes and strategic responses.
- Designed an infographic summarizing differences between sector leaders and general foundations.

## Education

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- Master of Science, Data Science – University of Wisconsin–Milwaukee
- Master of Arts, Political Science – University of Wisconsin–Milwaukee
- Bachelor of Arts, Political Science (Pre-Law) – University of Wisconsin–Milwaukee
- Bachelor of Arts, Philosophy – University of Wisconsin–Milwaukee
- Certificate, Quantitative Social Data Analysis – University of Wisconsin–Milwaukee

## Skills

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Languages: R, SPSS, Python, SQL

Tools: ArcGIS