

# MELANIE WESSON

• data analyst •

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## ABOUT ME

As a new data analyst returning to the workforce after raising a family, I bring a strong background in health education and non-profit case management to my role. My experience working in the public health sector has taught me the importance of data-driven decision making and the role that accurate data analysis plays in improving outcomes for individuals and communities.

## EDUCATION

2023 • Nashville Software School  
Data Analytics Bootcamp

2011 • University of Utah  
BS- Health Education & Promotion

## EXPERIENCE

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| <b>Jan-<br/>June<br/>2023</b>          | <b>Nashville Software School</b><br>Data Analytics Apprentice <ul style="list-style-type: none"><li>• Analyzed data using Microsoft Excel, including utilizing pivot tables and lookups, and connected to external data sources using the PowerPivot add-on</li><li>• Built and deployed dashboards using Tableau and PowerBI</li><li>• Wrangled data and performed exploratory data analysis using Python's <i>pandas</i> library</li><li>• Created data visualizations using <i>matplotlib</i> and <i>seaborn</i></li><li>• Gathered data through APIs and webscraping</li><li>• Performed geospatial analysis using <i>geopandas</i> and <i>folium</i></li><li>• Retrieved and analyzed data using PostgreSQL and <i>sqlalchemy</i></li><li>• Source code version control with Git/GitHub</li><li>• Project management/tracking with GitHub project boards and issue tracking</li></ul> |
| <b>June<br/>2015-<br/>Dec<br/>2017</b> | <b>Nashville CARES</b><br>Medical Case Management Coordinator, Intake Services <ul style="list-style-type: none"><li>• Conducted initial assessment for new clients to identify presenting needs and potential barriers to HIV health maintenance. Provided overview of agency services and made appropriate referrals.</li><li>• Identified insurance needs and eligibility of new clients to secure and/or maintain access to and use of Ryan White services, health insurance and Insurance Assistance Programs.</li><li>• Facilitated and monitored daily coordination of Medical Case Managers and Associates and provide supervision as needed.</li></ul>  |
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## EXPERIENCE, CONT.

### Sept 2013- June 2015     **Nashville CARES**

Youth Education Coordinator

- Implemented HIV prevention education programs for youth and young adults, especially youth ages 10-18 with histories of high risk.
- Developed, maintained and managed multiple site Survivor Club© service learning projects as developed by local area youth in high schools and other organizations.
- Networked with other groups and organizations that provide risk reduction education and/or support to youth in Middle Tennessee on a variety of health-related issues.

### Sept 2012- Sept 2013     **Nashville CARES**

Early Intervention Services Specialist

- Identified and linked clients to appropriate HIV medical care and social services and provided ongoing monitoring to address/diminish barriers to involvement in HIV medical services.
- Conducted client assessments, service planning, monitoring and follow up activities based on need.

## DATA PROJECTS

### **Power BI Dashboard**

Using data from the 2018 Central Park Squirrel Census, I created an interactive dashboard that shows squirrel sightings and behaviors. [Link to dashboard](#)

### **Tableau Dashboard**

Using data from The American Kennel Club, I created an interactive dashboard to explore different dog breed attributes and popularity. [Page 1](#), [Page2](#)

### **Nashville City Cemetery Excel Project**

Utilized Excel (including xlookups and PivotTables) to clean and analyze 100+ years of cemetery burial data. [Link to GitHub](#)

### **Lahman Baseball SQL Project**

Answered questions in PostgreSQL with complex queries and joins on a 25+ table schema. [Link to Github](#)

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