

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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| Jan-
June
2023 | Nashville Software School
Data Analytics Apprentice <ul style="list-style-type: none">• Analyzed data using Microsoft Excel, including utilizing pivot tables and lookups, and connected to external data sources using the PowerPivot add-on• Built and deployed dashboards using Tableau and PowerBI• Wrangled data and performed exploratory data analysis using Python's <i>pandas</i> library• Created data visualizations using <i>matplotlib</i> and <i>seaborn</i>• Gathered data through APIs and webscraping• Performed geospatial analysis using <i>geopandas</i> and <i>folium</i>• Retrieved and analyzed data using PostgreSQL and <i>sqlalchemy</i>• Source code version control with Git/GitHub• Project management/tracking with GitHub project boards and issue tracking |
| June
2015-
Dec
2017 | Nashville CARES
Medical Case Management Coordinator, Intake Services <ul style="list-style-type: none">• 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.• 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.• Facilitated and monitored daily coordination of Medical Case Managers and Associates and provide supervision as needed. |
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EXPERIENCE, CONT.

Sept 2013- **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- **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](#)
