

ABIGAIL ASPER

DATA ANALYST • MANAGER

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KEY SKILLS

Data Analysis

Excel, PostgreSQL, Python

Data Visualization

Power BI, Tableau

Statistical Analysis

IBM SPSS, Excel Data Analysis Toolpak, Real Statistics Resource Pack

Project Management

Notion, Trello, Asana, Monday

Other Tools

VMware Fusion, Google Suite, Microsoft Office

EDUCATION

Data Analytics Certification

Nashville Software School
Exp. Graduation June 2022

Data Analytics Jumpstart

Nashville Software School
Oct 2021

Master of Social Work, Human Service Leadership

Fordham University
2017-2019 • 4.0 GPA

Bachelor of Science, Psychology

College of Charleston
2012-2016 • 3.8 GPA

DATA PROJECTS

GDP and Internet Usage (Python): Used pandas, numpy, matplotlib, and seaborn packages to merge and create subsets of two UN dataframes and compare/visualize country and year differences in GDP and internet usage.

Michael Schur IMDB Ratings (Tableau/Excel): Merged 4 Kaggle datasets using Excel. Then, created a Tableau dashboard showing IMDB ratings and work volume across episodes, seasons, directors, and writers of 4 shows.

Central Park Squirrels (Power BI/Excel): Used nested IF OR in Excel to identify threatened squirrels. Then, created Power BI dashboard visualizing squirrel count, sighting date, location, fur color, age, and threatened behavior.

Lahman Baseball (SQL): Used left joins, inner joins, aggregated functions, case when statements, round, coalesce, concat, CTEs, and nested subqueries to analyze baseball player and team stats.

App Trader (SQL/Excel/Canva): Used nested subqueries and filtered, grouped, and ordered select statements to select 10 top apps as trader purchase recommendations. Then, collaborated with group to create data visualizations and present findings using Excel and Canva.

Data Analyst Job Listings (SQL): Used filtered, grouped, and ordered select statements to analyze data analyst job listings by company, location, title, industry, etc.

Nashville City Cemetery Burials (Excel/Canva): Cleaned dataset of spelling variations and null values as necessary. Then, used pivot tables, VLOOKUP, LEFT, and nested RIGHT LEN SEARCH to analyze burials by cause and decade of death and create visuals related to burial notes.

Low Income and Elderly Taxpayers (Excel): Used nested OFFSET to quantify elderly taxpayer data in the United States. Then, collaborated with a group to create an interactive dashboard featuring slicers and highlighting trends.

Music City Marathon Runners (Excel/Google Slides): Used MIN, MAX, MEDIAN, AVERAGE, COUNTIF, QUARTILE.INC, SMALL, INDEX MATCH, and VLOOKUP to quantify and create visualizations of Music City Marathon runner times from 2016 to 2019. Then, collaborated with a group to present findings.

Nashville Web Searches (Excel): Used VLOOKUP, nested MAX IF, COUNTIF(S), AVERAGEIF, SUMIF, and filtering to analyze monthly trends in Nashville web searches.

Nashville Police and Service Calls (Python/Google Slides): Used pandas, matplotlib, seaborn, sqlite3, folium, json, and geopandas packages to analyze, merge, and slice dataframes and create choropleth, heatmap, GeoJson, barplot, and lineplot visualizations. Then, collaborated with a group to present findings on Nashville police calls related to mental health and healthcare access by zipcode.

PROFESSIONAL EXPERIENCE

Data Analyst Apprentice • Nashville Software School

Jan 2022 – Present

Intensive, part-time bootcamp using real-world datasets to complete projects and present findings to community stakeholders.

- Analyze data using Microsoft Excel (including through pivot tables, VLOOKUP, INDEX MATCH, and OFFSET) and connect to external data sources with PowerPivot add-on
- Retrieve and analyze data using PostgreSQL
- Use Python's pandas library and matplotlib and seaborn packages to wrangle, analyze, and visualize data
- Build and deploy dashboards using Tableau and Power BI
- Project management/tracking with GitHub project boards and issue tracking

Therapy Content Manager [Contractor] • K Health

Dec 2021 – Present

- Supervise project management tasks connected to content creation, tracking with Notion and Monday
- Interview subject area experts and write, edit, and conduct QA on content for use in the K Therapy app, clarifying complex topics in easy-to-understand copy
- Collaborate with product management and design teams to enhance UX
- Create standard operating procedures and policies related to content creation

Multiple Positions • Psych Hub

Aug 2019 – Dec 2021

Clinical Research Manager • Apr 2021 – Dec 2021

Mental Health Specialist • Aug 2019 – Apr 2021

- Designed stakeholder surveys and analyzed responses, performing t-tests and ANOVAs using Excel Data Analysis Toolpak and Real Statistics Resource Pack
- Wrote and edited research-based eLearning curriculum (including exams, activities, glossaries) and short animation scripts, tracking progress via Trello and Asana
- Created internal guidelines related to research best practices, APA Style, and continuing education accreditation processes
- Supervised and trained Continuing Education Specialist and 3 clinical interns

Social Policy & Research Intern/Assistant • Multiple Organizations

Sep 2018 – May 2019

International Federation of Social Workers UN Commission • Sep 2018 – May 2019

Fordham University School of Social Service • Sep 2018 – May 2019

- As Student Representative to the UN, contributed to policy and advocacy projects through the NGO Committee on Migration & NGO Committee on the Status of Women
- Co-edited book, *Behavioral Science in the Global Arena*, and authored two chapters (*Gender Equity and Reproductive Justice* and *Migrant Adaptation and Well-Being*)
- As Co-Chair of Social Work Day at the United Nations Student Forum, supervised 10+ planning committee members and coordinated 20+ volunteers
- As Co-Chair of the 30th Greater New York Conference on Behavioral Research, doubled attendance through Eventbrite and social media marketing, created [website](#), and organized 40 student presentations

Clinical Social Work Intern/Shift Worker • Multiple Organizations

Sep 2016 – May 2018

Vibrant Emotional Health • Sep 2017 – May 2018

People Against Rape • Sep 2016 – May 2017

- Empowered older adults with serious mental illnesses to achieve their goals through weekly home visits, medication management, and advocacy
- Facilitated group sessions on independent living and socioemotional skills with adults with serious mental illnesses at Harlem Bay PROS Network
- Provided empathic listening, advocacy, and resources to hotline callers and sexual assault victims undergoing forensic exams and treatment in ER

Research Assistant • Multiple Organizations

Nov 2012 – Aug 2013 | Oct 2014 – May 2016

College of Charleston Department of Psychology • Oct 2014 – May 2016

University of Bremen Institute of Psychology • May 2015 – Jul 2015

College of Charleston Department of Physics and Astronomy • Nov 2012 – Aug 2013

- Co-authored two journal articles: [The effect of expressive writing on symptoms of depression in college students: Randomized controlled trial](#) and [A mini x-ray survey of sub-damped Lyman-alpha absorption systems: Searching for active galactic nuclei formed in protogalaxies](#)
- Conducted research sessions with first-year college students to investigate effects of expressive writing on mental health
- Analyzed quantitative data using IBM SPSS and qualitative data using Linguistic Inquiry and Word Count software
- Analyzed EEG data to investigate cognitive development during the transition from adolescence to adulthood, using Adobe Photoshop to create data visualizations
- Converted data from NASA's Chandra X-ray Observatory into images using Linux OS