PETER K. BUSIENEI

Data analyst

pbusienei@hotmail.com
615-720-4985
linkedin.com/in/peter-busienei
github.com/PBusienei

PROFILE

Interested in interpreting and analyzing data in order to drive successful business solutions. Advanced knowledge in statistics, data visualization, mathematics, and analytics. Excellent understanding of business operations and analytics tools for effective analysis of data. Exceptional Education Teacher with 8+ years of experience teaching using GAP analysis for students with disabilities.

SKILLS

Python

Tableau

Power BI

SQL

Excel

COMMUNITY

Hacker Things Hackathon

Participant: Team collaboration in Python to explore large donor dataset and detect donation patterns.

EDUCATION

DATA ANALYTICS
Nashville Software School

M.Ed.; EDUCATION
Tennessee State University

B.Sc.; Resource Management
Moi University, Kenya

Udemy Courses
HTML5; CSS3; Bootstrap4

WORK EXPERIENCE

DATA ANALYST

Nashville Software School, Nashville, TN / July 2019 -Jan 2020

Six month part-time intensive introduction to data analytics and business intelligence processes and tools. Emphasis on analytical reasoning through hands-on training on every stage of the analytics workflow. Using real data presented by Nashville employers, when possible, learning includes communicating findings through presentations, storytelling, building reports and creating dashboards. Tools: Python, Tableau, Power BI, SQL, Excel

PROJECTS

Capstone - Monthly Energy Consumption by Customer Type and ZIP Code

- Used Tableau, Python, and Excel, tools to investigate average monthly energy consumption per ZIP Code for each year since 2012
- Determine the years with the highest average energy consumption
- Determine the average monthly energy consumption per customer type per month
- Investigate the ZIP Codes with the highest energy consumption per year, per month, and per customer type
- Investigated other variables that have impact on economic growth
- Examine the top 10 and the bottom 10 energy consuming ZIP Codes by residential customers
- The data was source from Data Nashville.gov, and data munging done using python then Github repository created to mirror the project
- Created a dashboard in Tableau with interactive view to narrate the story

Metro Nashville Scooter Project

- Used Python tool to investigate scooter usage data from Metro Nashville and analyze the density of scooters in Nashville. Mapped scooters with their geolocation and identified where scooters pile most (on sidewalks)
- The goal of the project was to make recommendations for ideal scooter density in Nashville city
- Computed companies that provide a baseline of 3 rides per day per scooter
- Worked as a team of three to analyze over 60 million entries and formulated a zip code density solution for the city of Nashville

SQL (Lahman Baseball data and App Trader)

- Performed **SQL** queries to fetch data from cloud-hosted relational database and documented tables, store scripts and data analysis. The Lamman Baseball data project, we utlized CTE, performed different types of joins and created window functions with 27 different tables. On App Trader database we created a stored SQL scripts, and gave recommendation for the company on the apps to purchase during black friday

Johnston & Murphy

- Compiled, analyzed weekly sales data, and presented the findings to **Johnston and Murphy** Leadership team. Used **Python, excel, and PowerPoint** to determine the metrics that correlated with **comparative sales percentage** for fiscal years 2017-2020

Nashville Rock -and - Roll Marathon

- Utilized **Python** web scraping tools to scrape **Nashville Rock-and-Roll Marathon** and performed Exploratory Data Analysis (EDA)
- Used beutiful soup to pulling data out of HTML and XML files

- Analyzed data from the **2016-2019 Rock and Roll Marathons** and **Half-Marathons**, from **MS Access Database**, using functions such as; **HLOOKUP, VLOOKUP, Quartiles, and formulating hypothesis** from the results
- Created **interactive Excel dashboards** to analyze low income and elderly assistance grants. Analyzed 2016 IRS **Individual Tax Returns** and **created Dynamic Charts** using complex Excel internal functions
- Imported and analyzed **Nashville City Cemetery data** using **Excel Pivot Tables, filters, slicers** and **functions**. Created a **brochure** for advertisement of Nashville City Cemetery

- Used **Yelp database** to create **3D Power Map**s to find and generate hypothesis for opened and closed industries. Used a variety of **Excel functions** such as **concatenating cells, joining the different tables**, and **creating Pivot Tables** to analyze the data. Analyzed the reviews by customers and formulated hypothesis to inform the populations of Charlotte, NC or visitors about industry climates

EXCEPTIONAL EDUCATION TEACHER

Metro Nashville Public Schools, TN / JULY 2019 – Present

- Collected data on the frequency and duration of student's behavior to determine the best placement for the student
- Presented data to the IEP team (special education director, school principal, parent advocate, and parent) on student's behaviors across multiple settings and times of day to ensure placement meeting needs of individual students
- Convinced the stakeholders, based on data and student outcomes, to move a student to appropriate school setting, with better resources to support appropriate learning needs of the students
- Ensure that all students realize rigorous academic goals outlined in their Individualized Education Program (IEP) along with the core content. My goal was that each students grows at least 1.5 years
- Collaborate with school team, families, and related service providers for the purpose of improving the quality of student outcomes, developing solutions and planning curriculum
- Provide one-to-one or small group instruction, direct services and push in or pull out instruction as required by IEP
- Co-teach with general educators and related service providers to ensure inclusive education practices for all students
- Coordinate referral and assessment procedures and facilitate the coordination of IEP team meetings and the implementation of special education services (Speech, Occupational therapy, etc.)
- Evaluate students' academic abilities for the purpose of collaboration with team members to create and implement the best educational program like the diagnosis of learning disabilities, development of intervention plans for foundational needs and/or student progress

Dickson County Schools, TN / January 2012- June 2019

- Performed GAP analysis to determine students' with disabilities academic growth
- Collected students academic data on their benchmark tests and performed Data Analysis to indentify trends on skills students are performing well on and skills they are struggling with
- Optimized data collection procedures and generated reports on a monthly, and quarterly basis to assess students' performance. Performed data analysis and gave findings during monthly meetings
- Develop Behavior Support Plans (BSPs) or Behavior Intervention Plans (BIPs) as needed
- Manage student behavior for the purpose of providing a safe and optimal learning environment
- Engage with families on academic and behavioral goals and transparently share student progress so that both parents
- and teachers own each child's successes and challenges.