ARACELI BUENROSTRO

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SUMMARY

- Data Analyst graduate with 6 years of middle school science teaching experience.
- Strong understanding of mathematics, statistical modeling & data analytic methodologies for effective analysis of data.
- Proficient understanding of data integration by ETL (extract, transform, load) processes.
- Ability to work on multiple projects/tasks in parallel; operate in a dynamic, fast-paced, team-oriented environment; comprehend & analyze complex technical problems; quick to identify & implement solutions (debugging) to address those problems.
- Proficient understanding of the Object Oriented Programming (OOP) & Document Object Model (DOM) concepts with an ability to create interactive visualizations with large, complex data sets
- Ability to understand & explain technical concepts to non-technical stakeholders.
- Strong analytic, organization, & communication skills
- Detailed-oriented, skilled at quickly learning new processes, procedures, & technologies; life-long dedication to learning and educating.

TECHNICAL SKILLS

Proficient Languages: Python, Python Web Framework (Flask) JavaScript, SQL, SQLAlchemy, HTML5/CSS3, R, MongoDB, Tableau.
Applications: Experience with RESTful API design & development, RDBMs (PostgreSQL), pgAdmin, NoSQL (MongoDB) databases, & Amazon Web Services (AWS) environment.

PROJECTS

Chicago 2019 E-Scooter Pilot Program Analysis Project |
https://github.com/abuenrostro62/Chicago-E-Scooter-Pilot-Program-2019-Project | **https://chicagoscooter.herokuapp.com/**
- The City of Chicago conducted an E-scooter share pilot project from June 15, 2019 to October 15, 2019. The pilot program tested the viability of scooters as a mobility option & was designed to maximize safety & minimize sidewalk clutter.
- I analyzed over 700,000 rows of data, such as trip distances, trip durations, most frequent neighborhoods of E-scooter utilization & compared it to Divvy Bikes, a bike share system in Chicago.
- Tools/Languages used: Python, Pandas, Matplotlib, Numpy, D3.js, Leaflet.js, JupyterLab

The Last Dance: NBA Statistical Project | https://github.com/abuenrostro62/The-Last-Dance-An-NBA-Statistical-Analysis |
- In depth analysis of Michael Jordan's college & professional basketball & NBA player statistics using predictive models, Seaborn, Pandas, Matplotlib, Plotly, Random Forest Regression.
- I analyzed over 10,000 rows of data, conducted statistical & quantitative analysis to identify statistical patterns/trends over a 35 year period, while leading an agile-focused team.
- Tools/Languages used: Python, Pandas, Seaborn, Matplotlib, Numpy, Sklearn, Scipy.stats, JupyterLab

SQL Employee Database Analysis | https://github.com/abuenrostro62/SQL-Employee-Database-Analysis |
- Analyzed, inspected, & sketched out an ERD of the data tables (data modeling), designed table schemas for multiple CSV files & imported CSV files into SQL tables (data engineering), & performed thorough analysis of the SQL tables to make meaning of the data (data analysis).
- Tools/Languages used: PostgreSQL. Used pgAdmin to create, maintain, & use database objects.

EXPERIENCE

Middle School Science Teacher   2014 – Present
Chicago Public Schools   Chicago, IL

- Develops & implements formal & informal assessments to determine the effectiveness of instructional strategies & uses feedback to alter instructional strategies when needed.
- Analyzes & evaluates students' NWEA test scores to create differentiated science lessons, specifically focused on vocabulary.
- Establishes a positive rapport with students & parents by creating a positive, encouraging, & respectful learning environment, while maintaining consistent communication & feedback with parents & students.

Key Accomplishments:
- **Completion of Data Science & Visualization Bootcamp at Northwestern University**
- **Middle School (MS) Coordinator**
- **MS Science Lead Teacher**
- **Girls Who Code After-School Club Coordinator**

EDUCATION

Bootcamp Certificate: Northwestern University, Chicago, IL
A 24-week intensive program focused on gaining technical programming skills in HTML5, CSS3, JavaScript, JQuery, Bootstrap, Python APIs, Node Js, MySQL, MongoDB, Tableau, D3.js, Leaflet.js.

Master of Education: Loyola University Chicago, Chicago, IL
Bachelor of Liberal Arts & Science (Sociology): University of Illinois at Chicago, Chicago, IL