Kimberly Bonilla | Data Analyst/Data Scientist

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SUMMARY

Passionate and results-driven Data Analyst with a diverse background in computer science and psychology, adept at leveraging data-driven insights to drive strategic decision-making and inform product development. Skilled in statistical analysis, machine learning, and data visualization, with a deep understanding of human behavior and motivations. Experienced in collaborating with cross-functional teams to uncover user insights and deliver impactful solutions. Excellent communicator with a knack for translating complex analyses into actionable insights. Committed to leveraging a unique blend of technical expertise and psychological insights to create intuitive and user-centric products.

TECHNICAL SKILLS

Programming Languages: Python (Pandas, scikit-learn, NumPy, Scipy), PostgreSQL
Statistical Analysis: Hypothesis Testing, Regression Analysis, Time Series Analysis
Machine Learning: Supervised Learning, Unsupervised Learning, Feature Engineering
Data Visualization: Matplotlib, Seaborn, Tableau
Database Management: MySQL, PostgreSQL, MongoDB
Tools & Platforms: Jupyter Notebook, AWS
Version Control: Git, GitHub

Experience

Project 1: Flight Detection Analytics

https://github.com/Kimbonilla96/project1
- **Role**: Data Analyst
- **Description**: Conducted exploratory data analysis (EDA) to identify trends in aviation incidents from 1908 to 2009
- **Achievements**:
  - Developed predictive models to forecast aviation incidents
  - Identified trends by analyzing indecent frequency based on months, years, countries, and airlines
  - Utilized quantitative analysis to identify patterns and trends in aviation incident data
  - Created visualizations to communicate key findings and insights to stakeholders, supporting data-driven decision-making
- **Added Qualifications**:
  - Demonstrated the ability to work with large datasets and synthesize them into actionable insights
  - Proficient in SQL for data querying and Python for analysis and visualization
  - Conducted analysis to support various teams, focusing on developing insights for strategic decision-making
  - Owned end-to-end dashboard development, including requirement gathering, monitoring, and maintenance
  - Collaborated cross-functionally in fast-paced environments to define, implement, and standardize metrics, reports, and dashboards
  - Leveraged data storytelling to influence business decisions at the leadership level

Project 2: Educational Insights Team

https://github.com/Kimbonilla96/python-challenge
- **Role:** Data Analyst

- **Description**: Analyzed math and reading scores in district and charter schools to provide actionable insights aligning with the organization's focus on driving data-driven decision-making
- **Achievements:**
  - Led comprehensive analysis to inform strategic decisions
  - Developed intuitive dashboards from inception to maintenance
  - Utilized SQL and Excel for user-friendly data access
  - Collaborated across teams to standardize reporting methods
  - Employed data-driven storytelling for impactful decision-making
  - Analyzed academic performance data to drive improvements
  - Leveraged Python for insightful data visualization
- **Added Qualifications:**
  - Experience in working with unstructured data spanning multiple sources, emphasizing adaptability in a fast-paced environment

Project 3: Pharma Research Group

https://github.com/Kimbonilla96/DataVisualization-Challenge
- **Role**: Data Analyst
- **Description:** Analyzed the impact of diverse drug regimens on tumor growth rates in mice undergoing treatment
- **Achievements:**
  - Analyzed the impact of diverse drug regimens on tumor growth rates using statistical analysis
  - Conducted data cleaning and preprocessing to ensure data quality for analysis
  - Developed visualizations to communicate findings to oncology researchers and decision-makers
  - Utilized effective time management skills to ensure timely completion of projects
  - Collaborated with cross-functional teams, demonstrating strong people management skills
  - Contributed to projects in the pharmaceutical industry, gaining valuable insights into drug development processes
- **Added Qualifications**:
  - Demonstrated strong communication skills through the ability to summarize complex analyses into executive updates
  - Emphasized commitment to continuous learning and improvement

EDUCATION

Certificate, Data Analytics: UC Berkeley Extension, Berkeley, CA   Expected: 08/2024
Bachelor of Science, Computer Science: Santa Clara University, Santa Clara, CA   09/2021 to 12/2023
Bachelor of Arts, Psychology: University of California Santa Cruz, Santa Cruz, CA   09/2014 to 06/2019

PROFESSIONAL CERTIFICATION

Data Visualization with Tableau: Coursera   05/09/2024