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| Laura Roberts  Data Scientist, Analyst / Business Analyst | lauramariaroberts55@gmail.com • (919) 418-5079  [www.linkedin.com/in/lauramariaroberts](about:blank)  Clayton, United States, 27520 |

**Data-driven professional with substantial experience analyzing and visualizing data using multiple programming languages to support stakeholders driving strategic decision-making and enhanced business performance.**

* Proven success turning data into valuable insights leveraging technical knowledge and business understanding, interpreting data from multiple sources, identifying patterns/ trends, and building algorithms.
* Proficient in designing and optimizing robust data architectures to facilitate seamless information flow.
* Adept at translating complex business requirements into practical solutions, contributing to strategic business optimization.
* Ability to coordinate with cross-functional teams to create meaningful analysis and improve end user capabilities.
* Strong communication (written and verbal), critical thinking, visual storytelling, and problem-solving skills, uncovering root causes of complex issues.

Technical Proficiencies

**Programming Languages:** SQL • SAS • Python • R • Visual Basic for Applications (VBA)

**Data Analysis and Visualization:** Microsoft Excel

**Data Science Tool:** Jupiter notebook

Career Experience

SAS Institute, Cary, North Carolina, United States 2021 – Present

Sr Associate Analytical Consultant

Develop growth models with K-12 data, aiding educators in self-reflection and strategic planning for students' future needs. Integrate predictive analytics for educators to assess practices, pinpoint improvements, and plan interventions for student success and development.

* Developed tools that empower educators to reflect on their practices and plan for students' future goals by implementing growth models and predictive analytics using K-12 assessment data.

Banco de Reservas, Distrito Nacional, Santo Domingo, Dominican Republic 2020 / 2018-2019 / 2014-2016

Sr Data Analyst

Created an automated tool for business unit leaders to adjust and allocate goals to sales representatives. Provided insightful data for informed decision-making by leadership by merging cross-organizational SQL datasets. Delivered quantitative support for decisions and optimized future initiatives tracking by developing reports and dashboards.

* Implemented a monthly balance estimation system by month, executive, product, and currency, enhancing accuracy and simplifying accountability for executives.
* Developed overdraft prevention algorithm for critical customers by accessing Oracle SQL data warehouse and analyzing data, contributed to bank's budgeting, forecasting, and investment scenarios.

Grupo CSI, Dominican Republic May – Dec 2019

Technical Consultant

* Ensured the successful upgrade of a major SAS contract in the Dominican Republic through participation as an analytics expert in customer meetings and seminars.

SAS Institute, Cary, North Carolina, United States 2017 – 2018

Data Scientist Intern

Extracted and manipulated data from SAS, Git, and JIRA using Python, combined on SQL, and implemented an online dashboard for tracking agile software development. Incorporated web scraping techniques to gather JIRA data, facilitating comprehensive visualization and display on internal website for streamlined software development process.

* Enabled leadership in addressing critical production issues and identifying release indicators via Python web scraping, GitHub data retrieval, SAS dataset extraction, and PHP coding.

Education

Master of Science in Analytics (2017)

North Carolina State University, North Carolina, United States

BS Mathematics and Statistics (2014)

INTEC, Santo Domingo, Dominican Republic

Certifications

IBM Data Science Professional Certificate, Coursera (2024)

SAS Certified Base Programmer for SAS 9 - SAS

SAS Certified Statistical Business Analyst Using SAS 9: Regression and Modeling - SAS

SAS Certified Predictive Modeler Using SAS Enterprise Miner 13 - SAS

SAS Certified Advanced Programmer for SAS 9 - SAS

Certified Analytics Professional (CAP) – INFORMS