Carlos Ariel Espinosa Valdéz

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Data Analyst

Motivated mathematician and data analyst adept at leveraging data for informed decision-making. With a solid foundation in statistics, data analysis, problem-solving, and self-learning. Skilled in various data analysis and visualization tools including Python, R, SQL, Power Bi, and Tableau. As a data analyst, I bring a blend of academic research experience and practical expertise in applying advanced data analysis techniques in real-world settings, driving organizational growth and enhancing asset value.

Relevant Skills

- Data Analysis (Python, R)
- Data Visualization (Tableau, Power BI, Excel)
- Databases (MySQL, SQL Server, Excel)
- Data Preparation (ETL, Cleaning)
- Data Modeling (NumPy, scikit-learn, TensorFlow)
- Statistical Analysis (Regression, Classification, Clustering)

- Problem-Solving and Innovation
- Critical Thinking
- Attention to Detail
- Communication
- Communication and Storytelling

Work experience

Data Analyst (Research Assistant)
Guanajuato, Mx.
Center for Research in Mathematics
March 2024 - Present

- Exploring databases using SQL and Python to extract valuable insights.
- Conducting complementary research to achieve objectives in a clear and innovative manner.
- Creating detailed weekly reports on my results and progress.
- Consistently meeting a variety of objectives within specified time frames.

Data Analyst
Guanajuato, Mx.
XVII Industrial Problem Solving Workshop (Center for Research in Mathematics)
January 2024

- Received an assignment from Harinera de Irapuato S.A. de C.V.
- Applied ETL techniques to public and private databases to ensure data integrity and accuracy.
- Performed appropriate analysis using time series and neural networks.
- Presented findings and recommendations to the company.

Organizing Committee Member
Guanajuato, Mx.
Student Seminar (Center for Research in Mathematics)
August 2022 - August 2024

- Secured and managed financial resources, coordinating efforts across multiple departments.
- Documented seminar activities, streamlining procedures and ensuring clarity.
- Designed a website, significantly boosting audience participation, as shown by Google Analytics.

Professor Assistant
Guanajuato, Mx.
Center for Research in Mathematics
August 2020 - November 2023

- Facilitated the understanding of complex concepts.
- Fostered an engaging learning environment for students with diverse backgrounds.
- Prepared weekly reports on student performance.

Data Analyst (Master Student)
Guanajuato, Mx.
Center for Research in Mathematics
August 2017 - November 2019

- Acquired in-depth knowledge of algebra and statistics to better understand data.
- Managed databases through ETL processes to ensure data integrity and accessibility.
- Developed proficiency in software tools such as Python and SQL.
- Effectively communicated my findings clearly and concisely to diverse audiences.

Education

Master of Science in Mathematics
Guanajuato, Mx.
Center for Research in Mathematics
August 2017 - July 2019

Bachelor of Science in Mathematics (Summa Cum Laude)
Jalisco, Mx.
University of Guadalajara
August 2012 - April 2017

Certifications and Training

- Power BI Course: Data Analytics and Business Intelligence (View Certification)
- The Data Science Course: Complete Data Science Bootcamp 2024 (View Certification)
- Google Data Analytics Certificate (View Certification)