J. ABEL ROSALES GUZMÁN

Data Analyst

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🌐 abelrg25.github.io/projects/ in abel-rosales-guzmán-71aa1b192

SUMMARY

Versatile Research Scientist and Data Analyst with extensive experience in interpreting and analyzing data. Proficient in Python, R, SQL, Google Sheets, Excel, and Tableau.

EXPERIENCE

Early Career Researcher

UNAM

📍 CDMX

Project: Data Analysis and Modeling for Complex Systems

2023-2024

- Led a data-driven research project that resulted in a peer-reviewed publication available in this link: https://doi.org/10.1051/0004-6361/202349112
- Collected, cleaned, and analyzed large datasets from scientific instruments, ensuring accuracy and reliability.
- Used Python (pandas, numpy, scipy, matplotlib) to process data, identify patterns, and generate insights.
- Applied advanced statistical techniques, such as Monte Carlo simulations, to evaluate trends and make data-driven decisions.
- Developed mathematical models to explain observed behaviors and predict future outcomes.
- Created clear visualizations to communicate findings effectively.
- Presented results at international conferences and collaborated with experts from different fields.

Project: Automation and Optimization of Data Processing

2020-2023

- Led a data-driven research project that resulted in a peer- reviewed publication available in this link: https://doi.org/10.1051/0004-6361/202245370
- Designed and implemented an automated system to process and analyze large volumes of data efficiently.
- Developed Python scripts to streamline repetitive tasks, improving data processing speed and accuracy.
- Used data visualization tools to present complex information in an intuitive way.
- Ensured data quality and consistency by applying rigorous validation methods.
- Documented processes to facilitate knowledge transfer and reproducibility.
- Worked collaboratively with multidisciplinary teams, integrating insights from different perspectives.

CERTIFICATES

📈 **Google Data Analytics Professional Certificate**
See Certificate

SKILLS

🐍 Python, Ⓡ R, Tableau , 📊 Data Visualization, 🅇 Spreadsheets, 🎛 Pivot tables, 🖼 Image processing, 🛢 SQL, T↕ LaTex, ⟩_ Bash

Operating Systems

⊞ Windows, 🐧 Linux, 🍎 MacOs

STRENGTHS

| Hard-working | Proactive |

| Analytical thinking | Team Collaboration |

| Active communication |

| Problem solving | Public speaking |

| Attention to detail |

| Statistical Analysis |

| Algorithm development |

| Code writing and debugging |

EDUCATION

Ph.D. in Sciences (Astrophysics)

Instituto de Astronomía, UNAM

📅 2020 – 2024

M.Sc. in Sciences (Astrophysics)

Instituto de Astronomía, UNAM

📅 2017 – 2019

B.Sc. in Physics

Facultad de Ciencias, UNAM

📅 2010 – 2017

LANGUAGES

Spanish - Native
English - B2

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