

Jonathan Jose Gutierrez Ledezma

📍 Santiago de Querétaro, Qro., Mexico

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Professional Summary

Data Analyst with experience in data extraction, transformation, and visualization for dashboard creation and insight generation. Proficient in Python, R, and SQL for statistical analysis and process automation. Combines a scientific background with a practical approach to transform data into actionable information for decision-making.

Technical Skills

- Programming & Data Analysis: Python (pandas, NumPy, matplotlib), R (tidyverse, ggplot2, dplyr), SQL (MySQL – SELECT, JOIN, GROUP BY, subqueries, aggregation), ETL process
- Data Visualization: Excel (pivot tables, advanced formulas), Power BI, Tableau (basic)
- Statistics & Modeling: Hypothesis testing, regression analysis, experimental design, ANOVA, machine learning basics
- Proficient in AI tools to improve productivity: ChatGPT, Gemini, Grok, etc.
- Other Tools: Git, Notion, Jupyter Notebook, Anaconda, SPSS, MATLAB
- Languages: Spanish (Native), English (Intermediate – Reading 65%, Writing 45%, Speaking 50%)

Soft Skills

- Communication (verbal & written)
- Teamwork & collaboration
- Problem-solving & critical thinking
- Adaptability & flexibility
- Scrum methodology

Projects

- Management of comercial data
Extract, Transform, Load from Netsuite Oracle for actualization of dashboards
Tech stack: Visual Studio Code, Python, MySQL, Power Bi, internal API for Netsuite, Slack, Notion
Tech stack: Excel, HPLC data formats, Thermo Fisher Chromeleon, Graph Prism
- White Matter Integrity and Cognitive Flexibility Prediction
Built predictive models using DTI imaging metrics to assess treatments for preventing impairment in aged subjects. Applied statistical and data analyze for classification and prediction.
Tech stack: Python, R, MATLAB, SQL, Excel, Graph Prism
- Synchronous Astrocyte Activity Analysis
Processed calcium imaging data for pattern recognition in spatial memory tasks. Created visualizations and statistical models to evaluate neuronal synchrony.
Tech stack: Python, matplotlib, NumPy, MIN1PIPE, Miniscopes Software analyze, ImageJ
- Histamine Quantification via HPLC
Proficient in using Thermo Fisher Chromeleon Software for data modeling, visualization, and analysis of biological samples.

Professional Experience

- IENTC Telecomunicaciones
Oct 2025 – Dec 2025 | Querétaro, Mexico

- I work with commercial and financial data for dashboards in Power BI
- Geospatial data capture ("honorarios" and remote) – SARC consultoría de análisis de riesgo
Apr 2024 – May 2025 | Querétaro, Mexico
I work with research and data capture for geographic analysis.
- Manager of Educational & Community Projects – IMMUPRED
Feb 2023 – Sep 2024 | Querétaro, Mexico
Manage of social programs, especially in logistic and evaluation of program impact. Manage of digital content and social networks of the association.
- Electoral data capture. IEEQ Instituto Electoral del Estado de Querétaro
2021 | Querétaro, Mexico
Capturing electoral votes in the 2021 state elections
- Science Communicator & Project Coordinator – Sociedad Científica Juvenil
2019 – 2023
Developed educational data-driven materials, including visual infographics and interactive dashboards for science outreach.

Education

- **Master:** Universidad Nacional Autónoma de México: Instituto de Neurobiología. Master in Science (Neurobiology)
2023-2025. Querétaro.
- **Bachelor Degree:** Universidad Nacional Autónoma de México: ENES Juriquilla. Bachelor of Science in Neuroscience.
2018-2022. Querétaro.

Certifications

- Google Data Analytics Professional Certificate
Hands-on training in data cleaning, analysis, and visualization using spreadsheets, SQL, R, and Tableau. Developed proficiency in Google's data analysis methodology, focused on transforming data into actionable insights through dashboards and presentations.

Training and results presentation activities

- The 28th annual meeting of the Association for the Scientific Study of Consciousness. Heraklion, Crete on July 6-9, 2025.
- Workshop, "Glial cells function and dysfunction". INB, Querétaro. November 25-29th 2024
- 5th Symposium on Physiology & Pathology of Neuroglia. ¿Poster "Es posible predecir el efecto de la d-serina sobre la flexibilidad cognitiva en animales envejecidos basado en el análisis de la integridad de la sustancia blanca usando DTI?" INB UNAM. October 10th, 2024
- XXXI Jornadas Académicas INB. Poster "¿Es posible predecir el efecto de la d-serina sobre la flexibilidad cognitiva en animales envejecidos basado en el análisis de la integridad de la sustancia blanca usando DTI?". Queretaro, Mexico. September 24th, 2024
- Attendee at the Annual Meeting of the Society for Neuroscience 2022. Washington D.C., USA. November, 2023
- Jornada de neurociencias. Ixtepec, Puebla. June 22-23, 2023
- Attended the international symposium on addiction research. Instituto de neurobiología, Qro. 1-3 March 2023
- Attendee at the Annual Meeting of the Society for Neuroscience 2022. San Diego, California, USA. November 11-15, 2022
- Neurosymposium 2022, Talk "Cuantificación de histamina por HPLC en dializados de ratas con consumo de azúcar" Instituto de fisiología. May 21, 2023.