

# Alejandro Romero González

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## EDUCATION

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2019 - 2023 Bachelor's Degree in Economics  
2016 - 2019 Technical Specialist in Programming

Centro de Investigación y Docencia Económicas  
Instituto Politécnico Nacional: Centro de Estudios  
Científicos y Tecnológicos N° 9 "Juan de Dios  
Bátiz"

## TECHNICAL SKILLS

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|------------------------------|---|
| <b>Programming languages</b> | R, Python & Stata   |
| <b>Tools and frameworks</b>  | Microsoft Office, L <sup>A</sup> T <sub>E</sub> X, Git, MySQL, QGIS, HTML5, CSS, Visual Studio, Jupyter & RStudio |
| <b>Operating systems</b>     | macOS & Windows   |
| <b>AI technologies</b>       | ChatGPT, Midjourney & LangChain   |
| <b>Languages</b>             | Advanced English and native Spanish   |

## EXPERIENCE

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**Data Analyst** Feb. 2023 - Present

Data Analyst at Blutitude, a consulting firm focused on health economics. I collaborate in the refinement and analysis of extensive medical claims databases sourced from insurance companies. My work includes creating visualizations and applying advanced statistical and econometric techniques to generate quality metrics for private hospitals in the country. These results will be an integral part of the upcoming 2023 National Ranking of the Best Private Hospitals in Mexico, which will be published in Expansión magazine in collaboration with FUNSALUD.

**Intern** Jul. 2022 - Feb. 2023

Intern at Blutitude. I contributed to the development and refinement of hospital discharge databases and medical directories using tools such as R and Excel, as well as advanced techniques like Web Scraping and Fuzzy Matching. My work was essential in the creation of the 2022 National Ranking of the Best Private Hospitals in Mexico, published in Expansión magazine in collaboration with FUNSALUD.

**Research Assistant** Feb. 2022 - Present

Research Assistant in Financial Inclusion under the supervision of Ph.D. Gustavo A. Del Angel Mobarak. I perform key tasks in data collection, cleaning, and analysis to create visualizations and provide valuable insights. Additionally, I meticulously synthesize academic papers and relevant books in the field of study, strengthening the knowledge base and significantly contributing to the progress of research on the subject. My work is essential in driving understanding and promoting innovative solutions in the realm of financial inclusion.

**Assistant University Professor** Jan. 2022 - Jun. 2022

Assistant Professor of Microeconomics II under the supervision of Ph.D. Sonia Di Giannatale. I actively contributed to the academic support of 16 second-year students pursuing a Bachelor's Degree in Economics. I taught weekly 120-minute classes and reviewed assignments and tasks proposed by the professor, ensuring a solid understanding of concepts and fostering a collaborative and enriching learning environment for all students.

## PUBLICATIONS

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Del Angel, Gustavo and Alejandro Romero González (July 2022). *La tercera edad frente a los servicios financieros digitales ¿A la deriva?* <https://www.arenapublica.com/gustavo-del-angel/la-tercera-edad-frente-los-servicios-financieros-digitales-la-deriva>.

## VOLUNTEERING

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### **Professor and General Coordinator**

Jan. 2020 - Jun. 2023

IncluCIDE is an innovative program committed to eradicating the knowledge gap in Mathematics and English between public and private schools in Mexico. In my role as a professor and general coordinator, I lead with dedication and empathy a team of teachers and collaborators focused on delivering free online classes to boys and girls in public primary and secondary schools across sixteen states of the republic.

Our mission is to ensure quality, accessible, and equitable education, empowering our students and providing them with essential tools for a promising future. Through the implementation of effective educational methodologies tailored to the students' needs, we work tirelessly to transform education in Mexico and promote inclusion and academic success for students from all socioeconomic backgrounds.

### **Tutor**

Aug. 2019 - Dec. 2019

At CIDE's Mathematics Center, I was a volunteer tutor specializing in Mathematics I, a subject focused on Differential Calculus and Linear Programming. Through a didactic and personalized approach, I guided students in developing analytical and conceptual skills, enhancing their understanding of key topics and fostering academic success. My expertise and mastery in these subjects allowed for the creation of an enriching and motivating learning environment, promoting the intellectual growth and development of students in their academic journey.