Álvaro C. Quijano-Angarita

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Education

University of North Carolina at Chapel Hill, Chapel Hill, Master's in Biostatistics, 2023
National University of Colombia, Bogotá, Bachelor's in Statistics, 2020

Experience

Collaborative Studies Coordinating Center   **Chapel Hill, NC**
Graduate Research Assistant   *October 2021- May 2022; August 2022 - Present*
- Assists the Family Lifestyle Outcomes Research (FLOR) and Stress Gender and Minority (SGM-SOL) research clinical studies in deriving variables and datasets using SAS
- Produces SAS macros to perform analyses and prepare data displays and reports
- Performs quality control on derived datasets to ensure compliance with data dictionary definitions
- Writes data dictionaries and metadata of derived and existing datasets

Eli Lilly and Company   **Indianapolis, IN**
SDnA Master Intern   *May 2022 - August 2022*
- Coded an html-widget and a R package for interactive oncology clinical trial data visualization to be used in R shiny and R Markdown
- Implemented R shiny dashboard for oncology clinical data visualization
- Proposed an integration of javaScript and R to make widgets and input controls interactive and user friendly

Institute for Health Technology Assessment (IETS Colombia)   **Bogotá, CO**
Data Analyst   *March - June 2020; August 2020 - February 2021*
- Conducted descriptive statistical analysis using R and SQL to identify medical prescription patterns and improve access to health technologies and medicines not covered by Colombia's health benefit insurance
- Performed detailed analysis on orphan diseases, cancer, and rare diseases to prioritize the prescription and improve their access to health technologies and medicines
- Developed a Shiny R dashboard to visualize and tabulate the results of the analysis to the medical board

Colombia's National Administrative Department of Statistics (DANE)   **Bogotá, CO**
Statistician   *April - September 2020*
- Applied Bayesian and non-parametric regression models (TOPALS, spline-based) to estimate mortality, fertility, and other demographic outcomes in small areas in Medellín, Colombia by using SAS and R
- Researched and implemented Bayesian R-cohorts method for demographic projections in small geographic areas using R software
- Preprocessed and cleaned censuses, vital statistics, and household survey data using SAS

Honors

- Fulbright Scholarship
- Graduate Tuition Incentive Scholarship (GTIS), UNC-Chapel Hill
- Awarded 1st place in the pitch competition, Biomedical Innovations and Startup Workshop, Fulbright Seminar
- Best Undergraduate thesis Award, 2020

Skills and interests

- **Language:** Spanish (native), English (professional proficiency)
- **Programming:** R, SAS, Shiny R, SQL, Javascript (data visualization tools - d3, plotly)
- **Analytic tools:** Generalized Linear Models, data visualization, Longitudinal and bayesian data analysis
- **Training:** Data Science for all (DS4A - Correlation One), machine learning in python with Scikit-Learn (inria.fr)
- **Interests:** Cook, Dance latin rhythms, and Running