

## ANDRÉS FELIPE CAMACHO BAQUERO

E-mail: [af.camacho.b9@gmail.com](mailto:af.camacho.b9@gmail.com)

Bogotá, Colombia ∴ Cel. (+571) 318 397 1925

---

### EDUCATION

Aug. 2015 – Oct. 2017 M. A. Economics, Universidad de los Andes, Bogotá.  
Jan. 2012 – Jul. 2018 B. Eng. Industrial Engineering, Universidad de los Andes, Bogotá.  
Jan. 2011– May. 2015 B.A. Economics, Universidad de los Andes, Bogotá.

### ACADEMIC ACHIEVEMENTS

Aug. 2011 Full scholarship funded by Ecopetrol and granted to the highest regional scores on the National Standardized Test (Saber 11), representing Bogotá, Colombia.  
Oct. 2010 Second place at XVIII Colombian Chemistry Olympics. Silver medal. Universidad Nacional de Colombia.

### PUBLICATIONS

Ham, A., Maldonado, D., Weintraub, M., Camacho, A., Gualtero, D. (2021) Reducing Alcohol-Related Violence with Bartenders: A Behavioral Field Experiment. *Journal of Policy Analysis and Management*. Available [here](#).

Camacho, A. (2017) Forced Migration Effects on Trust and Attitudes Toward Immigrants in Destination Countries: Evidence from the Refugee Crisis in Europe. *CEDE Document N° 50-2017*. Available [here](#).

### WORK EXPERIENCE

Oct. 2022 – Present **Advisor**, to the Head of the Colombian Institute for the Evaluation of Education (ICFES) *Data analytics, innovative solutions, technology, and impact evaluation*

- Design and lead an analytics strategy for the institute to enhance decision-making.
  - Lead the creation of an analytics center for decisions on Education
  - Conduct quantitative analysis of education-related data and support the identification of research opportunities aimed at making evidence-based policies and strategic recommendations to the director on topics such as high-quality evaluation using standardized scores, access to education through life trajectories, and achievement gap analysis.
  - Apply analytics and statistical models to enhance the effectiveness and efficiency of the Institute's two main value chains: evaluation and research.
  - Strategic planning and alliances with the education sector to leverage data in essential decision-making and policy recommendations.
- 

Apr. 2022 – Oct. 2022 **PEC Consultant**, *Inter-American Development Bank, Housing and Urban Development Division, "Women's access to mortgage markets in Latin America and the Caribbean"*. Supervisor: Nora De Libertun.

- Prepare an in-depth review of the literature on women's access to mortgages, with a focus on LAC countries, including econometric models and identification strategies used in the literature to assess the gender gap-related questions.
  - Design and implement a robust methodology to measure the effect of gender on different outcomes using a Blinder-Oaxaca decomposition.
  - Perform quantitative analysis of databases on use and access to financial products, aiming to identify the effect of gender on access to mortgage markets.
  - Elaboration of a complete research document to publish the study findings.
-

Oct. 2018 – Oct. 2022    **Specialized Analyst, Head of Policy and Strategy Office, Office of the Attorney General of Colombia, Bogotá**  
Directors: Daniel Mejía Londoño, Juanita Duran, Mauricio Morales.

- Prepared public policy documents and recurring reports to support decision-making.
- Supported the framework, data analysis, design, and implementation of machine-learning-based predictive models to build a decision tool for improving decision-making in the request of pre-trial incarceration.
- Carried out cleaning and data analysis of large databases, reports automatization, prosecutors' caseload efficiency, and supported econometric analysis about organized crime and judicial processes in Colombia.
- Designed and implemented quantitative methodologies for public policy evaluation related to domestic violence, organized crime, killing of social leaders and ex-combatants, judicial reforms, juvenile crime and recidivism, and the use of surveillance cameras in the investigation process.
- Led the creation of spatial data analysis products about crime incidence and hotspot analysis, supporting the deployment of enhancements in the geographic information collection system.

---

Apr. 2018 – Oct. 2018    **Consultant, Fundación Bavaria, District Secretary of Security, and School of Government, Universidad de Los Andes**

- Supported the design of a randomized intervention, managed and analyzed data sets, and wrote a report for a project aiming to reduce alcohol-related violence through a program for bartenders in Bogotá.

---

Jan. 2013 – Jul. 2018    **Research Assistant, Economics dpts. (CEDE/CESED), Universidad de Los Andes**

Crime on the way to school and interventions related to crimes affecting minors

Profs: Arturo Harker (School of Government) and Andrés Molano (Education Department)

- Performed spatial analysis and georeferencing of the students' addresses through administrative records and carried out spatial joins of crime nearby.
- Supported the spatial analysis, data management, econometric analysis, and impact evaluation for the project "Developing and Evaluating a Cognitive Behavioral Therapy-Based Intervention to Promote Social Reintegration and Minimize Recidivism among Juvenile Offenders"

Higher Education in Colombia: Achievement in Quality, Efficiency, and Equity

Profs. Fabio Sánchez y Hernando Bayona (Education Department)

- Supported the analysis and consolidation of databases to compute the economic efficiency of higher education institutes through Stochastic Frontier Analysis and DEA models.
- Created econometric models, performed the analysis of the results, and supported the writing of a book

Prison overcrowding and Recidivism

Lead: Santiago Tobón

- Supported the data management, analysis, and writing of the report about a tool created to manage prison overcrowding in Colombia based on the risk of re-offending.
- Helping with data structuring for the paper "Do better prisons reduce recidivism? Evidence from a prison construction program"

State History and Contemporary Conflict

Prof. Emilio Depetris-Chauvin

- Assist the spatial data management, map creation, and satellite imagery analysis for a doctoral paper about state-building and contemporary conflict in Sub-Saharan Africa.

Security Perception and Victimization in Bogotá and the public transport systems

Heads: Leonardo García, Jorge Rueda

- Backing data management, analysis, and standardization of the perception of security and victimization surveys, and the transport service quality surveys, to investigate the relationship with crime reports in Bogotá

## RESEARCH IN PROGRESS

Bayona-Rodriguez, H., Bedoya, J., Camacho, A., Gamboa, L., Orduz, M., Patiño, C., Pulido, X., Urrego, L.  
“Educación Superior en Colombia: Logros en Calidad, Eficiencia y Equidad”. *CIFE, Universidad de Los Andes*. Forthcoming.

*PRiSMA: A recidivism risk profile for requesting preventive security measures* (With Daniel Mejía and Lina Navas)

*Long-term cycles of violence: The effects of juvenile incarceration on future recidivism*

*Dropping out of school, juvenile crime and quality of education: evidence from SRPA in Colombia after Covid-19.*

## TEACHING EXPERIENCE

Jan. 2016 – Present. **Lecturer.** *Spatial analysis workshop in ArcGIS*. Designed and structured by myself to help undergraduate and graduate students to analyze georeferenced data, create maps, and apply spatial analysis tools to solve problems and enhance storytelling with data.

Jul. 2022 – Aug. 2023 **Lecturer.** *Spatial data analysis and its applications in Python*, Continuing Education Program, Universidad de Los Andes.

### Teacher Assistant

Aug. 2019 – Present *Crime Economics*, M.A. Economics (PEG), Universidad de Los Andes  
Prof. Daniel Mejía Londoño

Aug. 2020 – Dec. 2020 *Intermediate Econometrics*, B.A. Economics, Universidad de Los Andes  
Prof. Jorge Bonilla

Aug. 2015 – Dec. 2019 *Introductory Econometrics*, B.A. Economics, Universidad de Los Andes  
Profs. Rachid Laajaj, Ramón Rosales

Jul. 2016. Jul. 2018 *Micro-econometrics*, M.A. Applied Economics (MECA), Universidad de Los Andes  
Profs. Ramón Rosales, Luis Fernando Melo

Jan. 2018 – May. 2018 *Impact Evaluation*, M.A. Applied Economics (MECA), Universidad de Los Andes  
Profs: Arturo Harker, Diego Amador, Catherine Rodriguez

Jul. 2017 *Impact Evaluation: Statistics and Economics*, Bogotá Summer School in Economics,  
M.A. Economics (PEG), Universidad de Los Andes.  
Prof. Elisa Cavatorta, King’s College London

Aug. 2017 – Nov. 2017 *Data Analysis Techniques I*, M. A. Public Policy and M.A. Epidemiology, Universidad de Los Andes  
Prof. Arturo Harker

2016, 2017, 2018 *Quantitative Methods I & II*, Specialization in Social Project Evaluation, Universidad de Los Andes  
Prof. Ramón Rosales

## SKILLS

Software  
Stata (Advanced)  
Python (Advanced)  
ArcGIS Pro, QGIS (Advanced)  
AI tools (Advanced)  
R, Matlab,  
LaTeX (Intermediate)

Languages  
Spanish (Native)  
English (Advanced)  
**IELTS:** 8/9 in 2022

Project management  
Notion dashboards  
Leadership  
Assertive communication