José Arteta

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Research Interests

I am an economist currently in the second and final year of a master's degree in Economics. My main areas of research interest are Development Economics and Political Economy.

- **Languages:** English (FLUENT), Portuguese (NATIVE), Spanish (FLUENT)
- **Citizenship:** Brazilian and Colombian

Coding Skills

R — Advanced level
tidyverse, lubridate, purrr, caret and others — *Preferred programming language*

Julia — Advanced level
DataFrames.jl, Plots.jl, Distribution.jl, Random.jl

Python — Intermediate level
NUmpy, Pandas, Matplotlib

STATA — Intermediate level
Basic regression tool, data analysis and cleaning

MATLAB — Intermediate
Basic and Intermediate tools

Education

Master of Science in Economics — Jan 2022 – Mar 2024 (expected)
EPGE-FGV — *Rio de Janeiro, Brazil*

Bachelor of Arts in Economics — Jan 2017 – Dec 2020
University of the Andes — *Bogotá, Colombia*

Work Experience

Teaching Assistant for the class Thinking about Problems — Jan 2020 – July 2020
University of the Andes — *Bogotá, Colombia*

- Thinking about Problems was an introductory mathematical reasoning for undergraduate economics student
- My main responsibilities as TA were grading students' problem sets and exams

Teaching Assistant for the School of Goverment — Jan 2019 – Dec 2019
University of the Andes — *Bogotá, Colombia*

* I was hired by the University of the Andes's School of Goverment to help students with quantitative classes
* My main responsibilities were teaching students and answering their questions about quantitative classes

Relevant Academic Courses Taken

Statistics I — *Graduate level course at EPGE-FGV* — Apr 2022 - Jun 2022

· Probability and Statistics graduate course given by Professor Marcelo Moreira
· Topics covered: probability measure, random variables, distributions and densities, expectations and conditional expectations, families of distributions and transformations, methods of estimation and optimality, hypothesis testing, confidence sets, and introduction to asymptotic theory.
· Main textbooks: Bruce Hansen's Introduction to Econometrics, Casella and Berger's Statistical Inference

Statistics II *Graduate level course at EPGE-FGV* Jul 2022 - Sep 2022

- First course in Econometrics
- Topics covered: regression analysis of single equation economic models (estimation, finite and large sample properties of estimators and inference), Maximum Likelihood Estimation and the analysis of multiple equation economic models.
- Main textbook: Bruce Hansen's Econometrics

Econometrics I *Graduate level course at EPGE-FGV* Oct 2022 - Dec 2022

- Second course in Econometrics sequence, given by Professors Sophies Matheis and Andrea Flores
- Topics covered: GMM, nonparametric methods, numerical optimization, simulation-based methods, discrete choice estimation, Panel Data, DID and Matching Estimators, Event Studies, Regression Discontinuity Designs and Introduction to Structural Econometrics
- Main textbook: Cameron and Trivedi's Microeconometrics, Bruce Hansen's Econometrics

Other Courses

Spatial Economics: Theory and Applications with R, Geoda, and GWR 41 Jul 2019

- A 40h workshop course given by Professors Eduardo Simões de Almeida, Raphael de Freitas Saldanha and Thomas Victor Conti
- Topics covered: Introduction to spatial data analysis, exploratory analysis of spatial data, modeling spatial dependence, geographically weighted regression, models for spatial panel data and limited variable with spatial dependence
- Proof of completion [Link]

Mixtape Sessionss: Instrumental Variables Sep 2022

- A 8h workshop course given by Professor Peter Hull on the basics of Instrumental Variables
- Topics covered: Instrumental Variables, Instrument Validity, 2SLS Mechanics, Heterogeneous Treatment Effects; Characterization of Compliers, MTEs, Judge Leniency Designs, Shift-Share IV

Mixtape Sessionss: Causal Inference II Oct 2022

- A 30h workshop course given by Professor Scott Cunningham on methods of Causal Inference
- Topics covered: DID, Event studies, Synthetic control