

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 <i>tidyverse, lubridate, purrr, caret and others</i>	Advanced level <i>Preferred programming language</i>
Julia <i>DataFrames.jl, Plots.jl, Distribution.jl, Random.jl</i>	Advanced level
Python <i>NumPy, Pandas, Matplotlib</i>	Intermediate level
STATA <i>Basic regression tool, data analysis and cleaning</i>	Intermediate level
MATLAB <i>Basic and Intermediate tools</i>	Intermediate

EDUCATION

Master of Science in Economics <i>EPGE-FGV</i>	Jan 2022 – Mar 2024 (expected) <i>Rio de Janeiro, Brazil</i>
Bachelor of Arts in Economics <i>University of the Andes</i>	Jan 2017 – Dec 2020 <i>Bogotá, Colombia</i>

WORK EXPERIENCE

Teaching Assistant for the class Thinking about Problems <i>University of the Andes</i>	Jan 2020 – July 2020 <i>Bogotá, Colombia</i>
<ul style="list-style-type: none">• 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 Government <i>University of the Andes</i>	Jan 2019 – Dec 2019 <i>Bogotá, Colombia</i>
<ul style="list-style-type: none">* I was hired by the University of the Andes's School of Government 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	<i>Graduate level course at EPGE-FGV</i>	Apr 2022 - Jun 2022
<ul style="list-style-type: none">• 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