

Pedro Henrique Chaves Maia

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EDUCATION

Jan 2020 — Present	Ph.D. Candidate in Economics, Fundação Getúlio Vargas—EPGE · Supervised by Prof. Bruno Barsanetti . · Fields of interest: Urban economics, transportation economics, environmental economics. · Faperj scholarship: Given to the 2 greatest GPAs in the cohort.	Rio de Janeiro
Feb 2015 — Dec 2019	B.Sc. in Economics, Fundação Getúlio Vargas—EPGE · Member of the 2016 macroeconomics study group of the Casa das Garças think tank. · Institutional Scientific Initiation Scholarship Program - PIBIC (2015-2017).	Rio de Janeiro

EMPLOYMENT HISTORY

Jan 2023 — Present	Research Assistant, Fundação Getúlio Vargas—EPGE · Worked under the supervision of both Prof. Sophie Mathes and Prof. Danae Hernandez-Cortes	Rio de Janeiro
Dec 2021 — Jun 2022	Economic Research Analyst, Rio de Janeiro City Hall · Created a framework for assessing the opportunity costs and potential spillover effects of infrastructure investments. · Elaborated a spatially sensitive in-depth report on the urban property tax earnings. · Conducted a cost-benefit analysis on the initiative for data self-declaration by urban property tax payers through the generation of earnings counterfactuals.	Rio de Janeiro

TEACHING EXPERIENCE

Oct 2022 — Dec 2022	Natural Resources and Environmental Economics, Teaching Assistant · MBA level. · Instructor: Prof. Pablo Carvajal .	FGV—EPGE
Jul 2022 — Dec 2022	Macroeconomics II, Teaching Assistant · Undergraduate level. · Instructor: Prof. Renato Fragelli .	FGV—EPGE
Feb 2022 — Jun 2022	Introduction to Economics, Teaching Assistant · Undergraduate level. · Instructor: Prof. Renato Fragelli .	FGV—EPGE

INTERNSHIPS

Dec 2016 — Feb 2018	Macro Research Analyst, GAP Asset Management · In charge of analyzing 34 countries to create 9 weekly reports highlighting the biggest changes in their economic landscape. · Created new databases describing the main macroeconomic variables and monetary policy bias for Argentina.	Rio de Janeiro
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RESEARCH

Working Papers

Dec 2021 — Present

[The Commuting Costs of High Intensity Rains: Evidence from Rio de Janeiro](#)

Abstract: How do small-scale natural events affect city life? In this paper, I examine the impacts of recurrent high-intensity rains (HIRs) on the public transportation system of Rio de Janeiro, Brazil. I use a novel dataset composed of the city buses' GPS information and public transport supply and demand data. I find that: 1) HIRs reduce bus average speeds by 1.03% to 7.30%, and 2) there is a substitution effect between buses and the rail system when the city undergoes a highly disruptive HIR. The estimated yearly wage opportunity cost of HIRs is between R\$190.61 to R\$279.04 million reais, which is equivalent to 1.01% and 1.72% of Rio's total traffic-derived wage opportunity cost.

· Presented at the [IGC-WB-GWU Young Urban Economist Workshop](#) and at the [12th European Meeting of the Urban Economics Association](#)

Work in Progress

Jan 2023 — Present

[Buses in Rio: An Spatial Analysis](#)

· In this research I use 2017-2018 bus system GPS data to depict the standard functioning of Rio's bus system. I also explore how recurrent city events affects such mode of transportation in high spatial detail.

SKILLS

Programming

· Languages: Python, R, Julia, Matlab, Stata, SQL.
· Expertise: Big Data, Geospatial Data Analysis, Econometrics, Machine Learning.

Languages

· Portuguese: Native speaker
· English: Highly proficient

COURSES

Jun 2022

[Urban Economics Association Summer School](#), Institut d'Economia de Barcelona

Feb 2018 — Jun 2018

[Erasmus+ Exchange Programme](#), Warsaw School of Economics

REFERENCES

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Renato Fragelli
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