

ARTHUR BAZOLLI ALVARENGA

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Education

Universidade Federal de Juiz de Fora (UFJF) , Juiz de Fora (BR) M.Sc. in Applied Economics Advisors: Prof. Admir Betarelli Junior and Prof. Ricardo Freguglia	2022-2024
Ibmec Minas Gerais , Belo Horizonte (BR) B.Sc. in Economics Advisor: Prof. Ari Francisco de Araujo Junior	2022-2024
CEMFI , Madrid (Spain) Summer School - Quantitative Spatial Economics Within and Across Cities	2024

Work experience

Research Assistant , Ipea – Brasília, Brazil Part of the Access to Opportunities Lab (AOP-Lab). Research design, data tidying, and causal inference models focused on the impact of accessibility on inequality and socioeconomic outcomes.	2024-present
Editorial Assistant , BRSA (remote) Editorial assistant of the Revista Brasileira de Estudos Regionais e Urbanos (RBERU). Article formatting for publication.	2024
Research Assistant , UFJF Project: "Economic impacts of the renewal of railway concession contracts on the productive system of Minas Gerais". Research design and input-output analysis.	2023-2024
Teaching Assistant , UFJF Urban Economics (undergrad) Aided in preparing and giving lectures, problem sets, and tests.	2022-2023
M&A Analyst , Impacto Hub Financial models, valuation, market research, and due diligence processes	2019-2021

Research

Working papers

Rapid Transit, Labor Market, and Business Growth: The case of São Paulo, Brazil, with Betarelli Junior, A. A. and Freguglia, R. S.

Accessibility and Urban Theory: How Assumptions Lead to Different Results on Hedonic Models?, with Araujo Junior, A. F. and Betarelli Junior, A. A.

Heritage Tourism and Economic Development: An Input-Output analysis for Minas Gerais, Brazil, with Seibert, Cláudio E. S., Medeiros, E. H., Reis, F. S., and Perobelli, F. S.

Presentations at seminars

2022: XX Enaber (Salvador, Brazil), 50th Anpec (Fortaleza, Brazil).

2023: 29th IIOA Conference (Alghero, Italy), 51st Anpec (Rio de Janeiro, Brazil)

2024: XXII Enaber (Vitória, Brazil), LACEA-LAMES 2024 (Montevideo, Uruguay)

Computer Skills

R

Cross-section, panel data, DiD, spatial econometrics, multivariate analysis

GIS, geocomputation, spatial visualization with `{sf}`, `{spdep}`, `{r5r}`, `{tmap}`, `{ggplot2}`, and others

Data tidying and analysis in the `{tidyverse}` and `{arrow}` frameworks

Package building with `{devtools}` and `{roxygen}`

R/Git/GitHub workflow

Project management with `{targets}` and `{renv}`

Authoral R packages

`{spatialops}`: spatial operations that come in handy

`{rrais}`: read and manipulate the Brazilian employer-employee dataset (WIP)

Excel: Valuation and Project Finance models, Inter-regional Input-Output Analysis

Languages

Portuguese: native, **English**: advanced, **Spanish**: advanced, **Italian**: intermediate, **German**: basic

Volunteering and other projects

Instituto Mano Down, Belo Horizonte (BR) 2020-2021
Support institute for people with Down Syndrome.

Grupo de Estudantes Voluntários (GEV), Belo Horizonte (BR) 2014-2017
Support to daycares, technical schools, and people in vulnerable situations.

Awards

Brazilian Regional Science Association (BRSA)

Honored with the Rodrigo Simões Award for best thesis or dissertation (2024)

International Input-Output Association (IIOA) & Young Scholars Initiative (YSI)

Selected to attend as a presenter for the 29th IIOA Conference, including a travel grant (2023)

UFJF

Ranked 1st in the master's admission, scholarship provided by Fapemig (2022-2023).

Ibmec

Placed 2nd in the Economics admission, ranked 4th among candidates from all courses (2017).