

Marcus L. Nascimento

Research Department
José Luiz Egydio Setúbal Foundation
São Paulo, SP 01228-200, Brazil

marcus.gerardus@fundacaojles.org.br
github.com/marcuslavagnole

EDUCATION

Federal University of Rio de Janeiro D.Sc. in Statistics – Dissertation: Bayesian quantile regression models for complex survey data under informative sampling.	Rio de Janeiro, Brazil 2019–2024(Expected)
Federal University of Rio de Janeiro M.Sc. in Statistics – Dissertation: Bayesian inference for finite mixture models of asymmetric distributions.	Rio de Janeiro, Brazil 2016–2017
Federal University of Rio de Janeiro B.Sc. in Actuarial Science	Rio de Janeiro, Brazil 2011–2015

EXPERIENCE

José Luiz Egydio Setúbal Foundation Research Scientist	São Paulo, Brazil 2023–Current
Rio de Janeiro City Hall Advisor	Rio de Janeiro, Brazil 2021–Current
Accenture Data Science Analyst	Rio de Janeiro, Brazil 2018–2019
Accenture Data Science Assistant	Rio de Janeiro, Brazil 2015

WORKING PAPERS

- Nascimento, Marcus L. and Leonardo M. Barreto. “Improving crime count forecasts in the city of Rio de Janeiro via reconciliation”.
- Nascimento, Marcus L. and Kelly M. Gonçalves. “Bayesian quantile regression models for bounded count data under informative sampling”.
- Nascimento, Marcus L. and Kelly M. Gonçalves. “Bayesian quantile regression models for complex survey data under informative sampling”. R&R at Journal of Survey Statistics and Methodology.

PUBLICATIONS

PRIOR TO DSc

- Nascimento, Marcus L., Kelly M. Gonçalves, and Mario Jorge Mendonça. “Spatio-temporal instrumental variables regression with missing data: A Bayesian approach”. *Computational Economics*, vol. 62, no. 1, 2023, pp. 27–49.
- Nascimento, Marcus L. and Carlos Antonio Abanto-Valle. “Flexible robust mixture regression modeling”. *REVSTAT, Statistical Journal*, vol. 20, no. 1, 2022, pp. 101–115.

- Nascimento, Marcus L. and Kelly M. Gonçalves. “Bayesian variable selection in quantile regression with random effects: an application to Municipal Human Development Index”. *Journal of Applied Statistics*, vol. 49, no. 13, 2022, pp. 3436–3450.
- Nascimento, Marcus L., Ralph S. Silva, Mario Jorge Mendonça, and Amaro O. Pereira. “Estimating the efficiency of Brazilian electricity distribution utilities”. *Journal of Applied Statistics*, vol. 49, no. 8, 2022, pp. 2157–2166.
- Nascimento, Marcus L., Kalinca L. Becker, and Mario Jorge Mendonça. “Implications of Brazilian Institutional Guidelines on Educational Efficiency”. *Economía, the journal of LACEA*, vol. 21, no. 1, 2020, pp. 147–168.