

Felipe Santos-Marquez

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EDUCATION

- Nagoya University** Nagoya, Aichi, Japan
M.S. in Development Economics, GPA: 90/100 2019–2021
– Thesis: “Achieving Peace and the SDGs in Colombia: Municipal Convergence, Crime, and the Role of Conditional Cash Transfers”
- The National University of Colombia** Bogota, Colombia
B.S. in Physics, GPA: 4.0/5.0 2007–2012

EXPERIENCE

- Nagoya University** Nagoya, Aichi, Japan
Research Assistant at the QuaRCS lab 04/2020- present
– Creation and Maintenance of databases
– Creating shapefiles and data-sets of income and well-being related variables across the world, and Sustainable Development Goals data for Bolivia
- Nagoya University** Nagoya, Aichi, Japan
Academic Tutor at the Graduate School of International Development 09/2019- present
– Tutoring of research, Master’s and PhD students
– Helping students to organize research data and to analyze it using a variety of econometric methods and software
- National University of Colombia** Bogota, Colombia
Mathematics (Topology and Analysis) tutor at the School of Mathematics, Faculty of Science 01/2008- 07/2008
– Tutoring of physics undergraduate students
– Preparing and facilitating tutoring workshops and academic support sessions for small groups of students

TEACHING

- **Teaching Assistant** at Nagoya University fall 2020
GSID Open Webinar Series and Spanish 4
- **English Teacher** at Alive English School, Nagoya city, Japan 04/2017 - present
Preschool, elementary and secondary classes

PUBLICATIONS

- [1] **F. Santos-Marquez**, A. B. Gunawan, and C. Mendez, “Regional income disparities, distributional convergence, and spatial effects: Evidence from Indonesian regions 2010–2017”, *GeoJournal*, pp. 1–19, 2021, Available at <https://doi.org/10.1007/s10708-021-10377-7>.
- [2] C. Mendez and **F. Santos-Marquez**, “Regional convergence and spatial dependence across subnational regions of ASEAN: Evidence from satellite nighttime light data”, *Regional Science Policy & Practice*, 2020, Available at <https://doi.org/10.1111/rsp3.12335>.

- [3] **F. Santos-Marquez** and C. Mendez, “Regional convergence, spatial scale, and spatial dependence: Evidence from homicides and personal injuries in Colombia 2010-2018”, *Regional Science Policy & Practice*, 2020, Available at <https://doi.org/10.1111/rsp3.12356>.

WORKING PAPERS

1. Dominguez, Alvaro and Mendez, Carlos and **Santos-Marquez, Felipe**, Sectoral Productivity Convergence, Input-Output Structure and Network Communities in Japan (August 23, 2020). Available at SSRN: <https://ssrn.com/abstract=3679429> or <http://dx.doi.org/10.2139/ssrn.3679429>
2. **F. Santos-Marquez** “Spatial Beta-Convergence Forecasting Models: Evidence from Municipal Homicide Rates in Colombia” 2020 //jsla-2020.netlify.app/

CONFERENCE PRESENTATIONS

- Applied Regional Science Conference November–2019
Saga University, Saga, Japan
- Bolivian Conference on Development Economics August–2020
La Paz, Bolivia (online conference)
- 57th Conference of the Japan Society of Social Science on Latin America November–2020
Japan (online conference)

EXTRACURRICULAR AND ACADEMIC ACTIVITIES

- Data@ANZ ANZ virtual experience Program August–2020
Completed two practical task modules in Exploratory Data Analysis Predictive Analytics.
- DataCamp courses- completed over 10 online courses in: 2019 –2020

Introduction to Machine Learning.
Multiple and Logistic Regressions in R.
Cluster Analysis in R
Supervised Learning in R: Regression
Supervised Learning in R: Classification
Unsupervised Learning in R
Spatial Analysis with sf and raster in R.
Visualizing Geospatial Data in R
Forecasting in R

SKILLS

- **Software & code:** GitHub, Geoda, Matlab and C++
- **Statistical software:** R, Python and Stata

LANGUAGES

- **Spanish:** Native speaker level
- **English:** High proficiency level
- **Japanese:** Intermediate level