

# Felipe Santos-Marquez

Website: felipe-santos.rbind.io  
Email: sanmar.felipe@gmail.com  
LinkedIn: felipe-santos-0a5273181  
GitHub: github.com/jfsantosm

## EDUCATION

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- Nagoya University** Nagoya, Aichi, Japan  
M.S. in Development Economics 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
- Thesis-equivalent: First semester classes of the Master of Astronomy GPA: 4.5/5.0

## EXPERIENCE

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- 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

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

## PUBLICATIONS

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- [1] 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.
- [2] **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.

## WORKING PAPERS

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1. **F. Santos-Marquez**, A. Gunawan and C. Mendez “Regional income disparities, distributional convergence, and spatial effects: evidence from Indonesia.” 2020
2. A. Dominguez, C. Mendez, and **F. Santos-Marquez** “Sectoral productivity convergence, input-output structure and network communities in Japan” 2020
3. **F. Santos-Marquez** “Spatial Beta-Convergence Forecasting Models: Evidence from Municipal Homicide Rates in Colombia” 2020

## CONFERENCE PRESENTATIONS

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- 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

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- Data@ANZ ANZ virtual experience Program August–2020  
*Completed two practical task modules in: Exploratory Data Analysis and Predictive Analytics.*
- DataCamp courses 2019 –2020  
*Completed over 10 online courses in: Supervised and Unsupervised Machine Learning, Forecasting and Geospatial Data analysis.*

## SKILLS

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

## LANGUAGES

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