

EDUCATION

- 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

- 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
Spanish I
- **English Teacher** at Alive English School, Nagoya city, Japan 04/2017 - present
Preschool, elementary and high-school classes)

PUBLICATIONS

- [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*-forthcoming, 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*-forthcoming, 2020.

WORKING PAPERS

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

- Applies 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 Analytic.
- DataCamp data analysis courses 2019 –2020
Completed over 10 online courses in: Supervised and Unsupervised Machine Learning, Forecasting and Geospatial Data analysis.

SKILLS

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

LANGUAGES

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