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

Technische Universität Dresden — Dresden, Saxony, Germany
Research Assistant at the Chair of Economics esp. International Economics — 04/2021- present

Nagoya University — Nagoya, Aichi, Japan
Research Assistant at the QuaRCS lab — 04/2020- 08/2020

- 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- 02/2021

- 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] A. Domínguez, **F. Santos-Marquez**, and C. Mendez, "Sectoral productivity convergence, input-output structure and network communities in japan", *Structural Change and Economic Dynamics*, 2021, Available at https://doi.org/10.1016/j.strueco.2021.10.012.

[2] **F. Santos-Marquez**, "Spatial beta-convergence forecasting models: Evidence from municipal homicide rates in colombia", *Journal of Forecasting*, 2021, Available at https://doi.org/10.1002/for.2816.

[3] **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.

[4] 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.

[5] **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.

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)
- XV World Conference of Spatial Econometrics Association — May–2021
  Tokyo (online conference)
- ERSA Summer School 2021 - Spatial Analysis of Regional Inequalities — June-July–2021
  Groningen, Netherlands (online conference)
- 60th Annual ERSA Congress "Territorial Futures – Visions and Scenarios for a resilient Europe" — August–2021
  Bolzano, Italy (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 several online courses in: — 2019 –2021
  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

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