



# Carlos Mendez

## Academic Positions

- 2019–Present **Academic Director**, *Quantitative Regional and Computational Science Lab*, Japan.  
2018–Present **Associate Professor**, *Graduate School of International Development*, Nagoya University, Japan.  
2015–2018 **Lecturer**, *Faculty of Arts and Science*, Kyushu University, Japan.

## Education

- 2015 **Ph.D. in International Development**, *Nagoya University*, Japan.  
2012 **M.A. in International Development**, *Nagoya University*, Japan.  
2010 **Research Student in International Development**, *Nagoya University*, Japan.  
2008 **B.A. in Commercial Engineering (Business-Economics)**, *Universidad Católica Boliviana*, Bolivia.  
2007 **Visiting Student in Commercial Engineering (Business-Economics)**, *Pontificia Universidad Católica de Chile*, Chile.

## Research and Teaching Fields

- Primary: Development Economics, Regional Economics  
Secondary: Applied Econometrics, Macroeconomics

## Teaching Experience

### Graduate Courses

- 2021–Present **Associate Professor**, *Quantitative Economic Analysis*, Nagoya University.  
2019–Present **Associate Professor**, *Development Macroeconomics*, Nagoya University.  
2018–Present **Associate Professor**, *Seminar in Economic Development Policy and Management I and II*, Nagoya University.  
2012–2014 **Teaching Assistant**, *Development Macroeconomics*, Nagoya University .  
2012–2014 **Teaching Assistant**, *Development Microeconomics*, Nagoya University .  
2013 **Teaching Assistant**, *Advanced Microeconomics I*, Nagoya University .

*Graduate School of International Development – Nagoya University*

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2013 **Workshop Instructor**, *Advanced Topics in Economic Growth and Productivity*, Nagoya University.

2013 **Workshop Instructor**, *Advanced Topics in Macroeconomics*, Nagoya University.

#### Undergraduate Courses

2016-2018 **Lecturer**, *Introduction to Economics*, Kyushu University.

2016-2018 **Lecturer**, *Kikan- General Education Seminar*, Kyushu University.

2017-2018 **Lecturer**, *Academic Presentations in English (FC-SP)*, Kyushu University.

2016-2017 **Lecturer**, *Global Poverty and Development*, Kyushu University.

2016-2017 **Lecturer**, *Interdisciplinary Collaborative Learning of Social Issues*, Kyushu University.

2017-2017 **Lecturer**, *Introduction to Data Analysis and Visualization (SALC)*, Kyushu University.

2015-2017 **Lecturer**, *Economics is Everywhere (SALC)*, Kyushu University.

2008 **Invited Lecturer**, *Microeconomics I*, Universidad Católica Boliviana.

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#### Other Experience

2012–2015 **Research Assistant**, *Globalization and Development Research Project*, JSPS Class-A International Joint Research Project lead by Prof. Shigeru Otsubo, Nagoya University.

2008–2009 **Local Consultant**, *Japanese International Cooperation Agency (JICA) and OP-MAC corporation*, Bolivia.

2007–2008 **Junior Consultant**, *The World Bank and the Danish International Development Agency (DANIDA)*, Bolivia.

2007–2008 **Junior Consultant**, *Pro-Mujer Microcredit International*, Bolivia.

2007 **Intern**, *FIE Microcredit*, Bolivia.

2006 **Junior Consultant**, *Pro-Mujer Microcredit*, Bolivia.

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#### Awards

2017 **Emerging Scholar Award**, Interdisciplinary Social Sciences Research Network.

2013 **Outstanding Research Assistantship**, Nagoya University.

2012–2015 **Doctoral Studies Scholarship**, Japanese Government MEXT.

2010–2012 **Master Studies Scholarship**, Japanese Government MEXT.

2009–2010 **Research Student Scholarship**, Japanese Government MEXT.

2008 **Medal of Academic Excellence**, *Highest GPA (92/100) in the Commercial Engineering Major*, Universidad Católica Boliviana.

2008 **University Valedictorian**, Universidad Católica Boliviana.

2007 **Bolivian Representative Fellowship**, Pontificia Universidad Católica de Chile.

2005–2007 **Academic Excellence Fellowship**, *Best Student of the Commercial Engineering Major*, Universidad Católica Boliviana.

2003 **New Millennium Leader**, Latin American Circle in Oratory.

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2003 **Diploma of Academic Excellence**, *Best Student of High School*, Instituto Salesiano Domingo Savio.

## Research Grants

2019-2022 **Testing for Distributional Divergence in the Pillars of Global Sustainable Development: Integrating the Insights from a New Hierarchical Clustering Algorithm**, Japan Society for the Promotion of Science, Additional Support for Independent Research.

Principal Investigator

2019-2022 **Testing for Distributional Divergence in the Pillars of Global Sustainable Development: Integrating the Insights from a New Hierarchical Clustering Algorithm**, Japan Society for the Promotion of Science, KAKENHI Grant 19K13669.

Principal Investigator

2018 **Designing Integrated Industrial Policies for Pro-Poor Growth under Globalization: Promoting Surviving Industries in Developing Countries in Asia and Africa with New Public-Private Partnership**, Japan Society for the Promotion of Science, KAKENHI Grant 15H02620.

Collaborator

## Computer skills

Programming: R, Python, MATLAB, Gauss, Stata,  $\LaTeX$

User: Maple, Mathematica, EViews, SPSS, MINITAB, GTAP, ADEPT

## Professional Activities

Affiliations: External Research Review Board, Pontificia Universidad Católica del Perú.

Memberships: American Economic Association (AEA)

European Economic Association (EEA)

Japan Society for International Development (JASID)

Japan Section of the Regional Science Association International (RSAI)

Japan Association of Applied Economics (JAEA)

Japan Society of Social Science on Latin America (JSLA)

Referee: Essays on Economic Policy, Forum of International Development Studies, Letters in Spatial and Resource Sciences, Journal of Economic Structures, Regional Studies, Regional Science, Economics Bulletin

## Recent Conference Presentations

2020 **Regional Convergence and Spatial Dependence across Subnational Regions of ASEAN: Evidence from Satellite Nighttime Light Data**, *The 57th Annual Meeting of the Japan Section of the Regional Science Association International*, Virtual Conference, Japan.

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- 2020 **National and Subnational Inequality in Africa: A Club Convergence View from Outer Space Motivation**, *The 31st Annual Conference of the Japan Society for International Development*, Virtual Conference, Japan.
- 2020 **Human Development Disparities and Convergence across Districts of Indonesia: A Spatial Econometric Approach**, *The Applied Regional Science Conference (ARSC) 34th Annual Meeting*, Virtual Conference, Japan.
- 2020 **Regional Income Disparities and Convergence Clubs in Indonesia: New District-Level Evidence**, *The 2020 Fall Meeting of the Japan Association of Applied Economics (JAAE)*, Virtual Conference, Japan.
- 2020 **Economic and Social Disparities across Subnational Regions of South America: A Spatial Convergence Approach**, *The 57th/2020 Annual Conference of the Japan Society of Social Science on Latin America*, Virtual Conference, Japan.
- 2020 **Regional Income Disparities, Distributional Convergence, and Spatial Effects: Evidence from Indonesian Regions 2010-2017**, *The 19th International Conference of the Japan Economic Policy Association*, Virtual Conference, Japan.
- 2020 **Productivity Differences and Convergence Clubs in Latin America**, *The 2020 Bolivian Conference of Development Economics*, Virtual Conference, Bolivia.
- 2019 **Disparities in Regional Productivity, Capital Accumulation, and Efficiency across Indonesia: A Convergence Clubs Approach**, *The 2019 Applied Regional Science Conference (ARSC)*, Saga, Japan.
- 2019 **Productivity Differences and Convergence Clubs in Latin America**, *The 2019 International Joint Conference of JAHSS and JASID*, Tokyo, Japan.
- 2019 **Input-Output Efficiency and Regional Convergence Clusters: Evidence from the Indonesian Provinces 1990-2010**, *The 56th Annual Meeting of the Japan Section of the Regional Science Association International*, Kurume, Japan.
- 2019 **Regional Efficiency Dispersion, Convergence, and Efficiency Clusters: Evidence from the Provinces of Indonesia 1990-2010**, *The 2019 Spring Conference of the Japanese Association of Applied Economics*, Nagoya, Japan.
- 2019 **Environmental Efficiency and Regional Convergence Clusters in Japan: A Nonparametric Density Approach**, *The 3rd International Conference on Economic Structures of the Pan Pacific Association of Input-Output Studies*, Osaka, Japan.

## Publications and Research

### Peer-reviewed Articles

- 2021 Regional income disparities, distributional convergence, and spatial effects: Evidence from Indonesian regions 2010-2017, *GeoJournal*, Online first. (with Felipe Santons and Anang Gunawan)
- 2021 Regional income disparities and convergence clubs in Indonesia: New district-level evidence, *Journal of the Asia Pacific Economy*, Forthcoming, Online first. (with Harry Aginta and Anang Gunawan)

- 2020 Regional convergence, spatial scale, and spatial dependence: Evidence from homicides and personal injuries in Colombia 2010-2018, *Regional Science Policy and Practice*, Forthcoming, Online first. (with Felipe Santos)
- 2020 Disparities in regional productivity, capital accumulation, and efficiency across Indonesia: A club convergence approach, *Review of Development Economics*, Forthcoming, Online first. (with Mitsuhiro Kataoka)
- 2020 Regional convergence and spatial dependence across subnational regions of ASEAN: Evidence from satellite nighttime light data, *Regional Science Policy and Practice*, Forthcoming, online first. (with Felipe Santos)
- 2020 Regional efficiency convergence and efficiency clusters: Evidence from the provinces of Indonesia 1990-2010, *Asia-Pacific Journal of Regional Science*, 4, 391-411.
- 2020 Labor productivity, capital accumulation, and aggregate efficiency across countries: New evidence for an old debate, *Forum of International Development Studies*, 50(4), 1-19.
- 2019 Lack of Global Convergence and the Formation of Multiple Welfare Clubs across Countries: An Unsupervised Machine Learning Approach, *Economies*, 7(3), 1-17.
- 2019 A Comparison of TFP Estimates via Distribution Dynamics: Evidence from Light Manufacturing Firms in Brazil, *Empirical Economics Letters*, 18(3), 293-301. (with Erick Gonzales)
- 2019 Industrial Productivity Divergence and Input-Output Network Structures: Evidence from Japan 1973-2012, *Economies*, 7(2), 1-14. (with Alvaro Dominguez)
- 2018 Beta, Sigma and Distributional Convergence in Human Development? Evidence from the Metropolitan Regions of Bolivia, *Latin American Journal of Economic Development*, 30(Nov), 87-115.
- 2018 On the Distribution Dynamics of Human Development: Evidence from the Metropolitan Regions of Bolivia, *Economics Bulletin*, 38(4), 2467-2475.
- 2018 Investment Constraints and Productivity Cycles in Bolivia, *Conyuntural Economics*, 3(4), 31-54.
- 2017 Heterogeneous Growth and Regional (Di)Convergence in Bolivia: A Distribution Dynamics Approach, *Coyuntural Economics*, 2(4), 85-113.
- 2015 The World Productivity Distribution: Convergence and Divergence Patterns in the Postwar Era, *Latin American Journal of Economic Development*, 24(Nov), 79-96.
- 2015 On the Development Gap between Latin America and East Asia: Welfare, Efficiency, and Misallocation, *Forum of International Development Studies*, 45(3), 39-62.

### Books

- 2020 *Convergence Clubs in Labor Productivity and its Proximate Sources: Evidence from Developed and Developing Countries*. Springer
- 2015 *Essays on Aggregate Productivity, Structural Change, and Misallocation*. Lambert Academic Publishing

### Book Chapters

- 2021 Promoting Both Industrial Development and Regional Convergence: Towards a Regionally Inclusive Industrial Policy. In Otsubo S. and Otchia C. (Ed.), *Designing Integrated Industrial Policies*. Routledge
- 2015 Divergent and Unequal Development in Latin America: Causes and Policy Challenges. In Otsubo S. (Ed.), *Globalization and Development: In Search of a New Development Paradigm*. Routledge

### Reports

- 2008 Productive Investment Complementarity across Local and Regional Governments in Bolivia, Consultancy Report, The World Bank–DANIDA. (with Guillermo Gonzales)

### Dissertations

- 2015 Essays on Aggregate Productivity, Structural Change and Resource Misallocation, *Doctoral Dissertation*, Nagoya University
- 2012 On the Determinants of Bolivia's Economic Growth: Productivity and Institutional Puzzles, *Master Dissertation*, Nagoya University
- 2008 The Relative Importance of the Industry Forces and Firm Resources on Performance: An Empirical Evaluation of the Biggest Firms in Bolivia, *Undergraduate Dissertation*, Universidad Católica Boliviana