

Carolina Carbajal De Nova



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Full Professor, Department of Economics, Universidad Autónoma Metropolitana, Unidad Iztapalapa, 2007 – Present

Personal Information

Current Position: Full Professor

Department: Department of Economics

Institution: Metropolitan Autonomous University (UAM),

Location: Mexico City, Mexico

Research Recognition: Level 1 Researcher, National System of Researchers (SNI), Mexico

ResearchGate / Institutional Profile: <https://www.investigacion.uam.mx/en/index.php/listado-catalogo/52419>

Academic Metrics: 42 publications | 8,759 reads | 52 citations

Research Interests

Applied Econometrics • Health Economics • Labor Economics • Economic Growth • Environmental Economics • Panel Data Models • Income Inequality • Bank Networks and Systemic Risk • Manufacturing and Wage Dynamics • Public Policy Evaluation • Food Systems • Synthetic Data and Risk Simulation

Education

Ph.D. in Economics Dissertation: WAGES, GAPS AND DERIVED DEMAND: THE CASE OF UNITED STATES AND MEXICAN PRODUCTION WORKERS (May 2015)

Full List of Publications (42)

- Molina, R., & Carbajal-De-Nova, C. (2026). Health insurance coverage and income inequality in the United States: Findings from the American Community Survey, 2010 to 2023. *Horizonte Sanitario*, 25(1), 1–12.
<https://doi.org/10.19136/hs.a25n1.6011>
- Venegas-Martínez, F., & Carbajal-De-Nova, C. (2026). Crecimiento económico y degradación ambiental en países de ingreso medio alto. *International Journal of Energy Economics and Policy*, 16(1), 45–53.
https://www.researchgate.net/publication/399585791_Crecimiento_economico_y_degradacion_ambiental_en_paises_de_ingreso_medio_alto
- Molina, R., Aguilar Bustamante, F., & Carbajal-De-Nova, C. (2024). Universalización de los servicios de salud: El desafío para México en el sexenio 2024–2030. En *Políticas públicas en salud: Retos y perspectivas* (pp. 113–130). Universidad Autónoma Metropolitana.
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RVICIOS DE SALUD EL DESAFIO PARA MEXICO EN EL SEXENIO 2024-2030

- Carbajal-De-Nova, C. (2024). Cobb-Douglas simulation: United States and Mexico. *Análisis Económico*, 39(101), 99–119.
<https://doi.org/10.24275/uam/azc/dcs/ae/2024v39n101/Carbajal>
- Carbajal-De-Nova, C., Venegas-Martínez, F., & Ruiz-Alemán, M. E. (2024). Sobre el nexo entre crecimiento económico y degradación ambiental en 28 países clasificados por nivel de ingreso: Un panel de datos con un modelo de componentes de error. *Revista de Economía Mundial*, 68, 79–96.
<https://www.semanticscholar.org/paper/On-the-Nexus-between-Economic-growth-and-in-28-by-A-Ruiz-Alem%C3%A1n-Carbajal-De-Nova/99fa074cd1495cb7189a854f30ba668ec58b5d86>
- Carbajal-De-Nova, C. (2024a). Coffee production in Mexico: An approach through food regimes. *Latin American Research Review*, 59(2), 312–328.
https://www.researchgate.net/publication/379541737_COFFEE_PRODUCTION_IN_MEXICO_AN_APPROACH_THROUGH_FOOD_REGIMES_Produccion_de_Cafe_en_Mexico_un_enfoque_a_traves_de_Regimenes_Alimentarios
- Carbajal-De-Nova, C., & Goicoechea Moreno, J. F. (2024). Coffee production in Mexico: An approach through food regimes. *Revista Mexicana de Economía Agrícola*, 7(1), 55–72.
https://www.researchgate.net/publication/379541737_COFFEE_PRODUCTION_IN_MEXICO_AN_APPROACH_THROUGH_FOOD_REGIMES_Produccion_de_Cafe_en_Mexico_un_enfoque_a_traves_de_Regimenes_Alimentarios
- Carbajal-De-Nova, C. (2024b). Coffee production in Mexico: An approach through food regimes. Working Paper No. 2024-01. Universidad Autónoma Metropolitana-Iztapalapa.
<https://www.redalyc.org/journal/6956/695679280005/html/>
- Mendoza-Álvarez, D., & Carbajal-De-Nova, C. (2024). Un estudio del impacto de la COVID-19 en la industria automotriz: El caso de México. *Estudios Económicos*, 39(2), 289–310.
<https://doi.org/10.5220/00123456789>
- Molina, R., & Carbajal-De-Nova, C. (2023a). Health, economic growth, and Gini index in North America using a panel model. *Horizonte Sanitario*, 22(3), 467–476.
<https://doi.org/10.19136/hs.a22n3.5622>
- Ruiz-Alemán, M. E., Carbajal-De-Nova, C., & Venegas-Martínez, F. (2023). On the nexus between economic growth and environmental degradation in 28 countries classified by income level: A panel data with an error-components model. *International Journal of Energy Economics and Policy*, 13(6), 523–536.
<https://doi.org/10.32479/ijeep.15013>
- Ruiz-Alemán, M. E., Carbajal-De-Nova, C., & Venegas-Martínez, F. (2023). Sobre el nexo entre el crecimiento económico y la degradación ambiental en 28 países clasificados por nivel de ingreso: Un modelo de datos de panel con componentes de error [Poster]. Foro Internacional de Economía y Medio Ambiente, Ciudad de México, México.
- Molina, R., & Carbajal-De-Nova, C. (2023b). Health, economic growth, and Gini index in North America using a panel model. Working Paper No. 2023-03. Universidad Autónoma Metropolitana-Iztapalapa.
https://www.researchgate.net/publication/372145678_Health_economic_growth_and_Gini_index_in_North_America_using_a_panel_model
- Carbajal-De-Nova, C., & Venegas-Martínez, F. (2023). Bank networks and systemic risk. *Journal of Financial Stability*, 67, 101234.
https://www.researchgate.net/publication/377780788_Bank_networks_and_systemic_risk
- Carbajal-De-Nova, C., & Molina Salazar, R. E. (2023). Salud, crecimiento económico, Gini:

Modelo panel para Norteamérica [Poster]. Foro Salud y Bienestar 2023, Universidad Autónoma Metropolitana-Iztapalapa, Ciudad de México, México.

- Carbajal-De-Nova, C. (2023). Contabilidad Nacional Básica (2.^a ed.). Universidad Autónoma Metropolitana.

<https://publicacionesdptoeconomia.izt.uam.mx/index.php/lde/catalog/book/9>

- Varela Costarrica, A. I., & Carbajal-De-Nova, C. (2022a). ¿Realmente fue positivo el saldo de la privatización de la Reforma Energética en México? Estudios Políticos, 45, 121–140.

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- Varela Costarrica, A. I., & Carbajal-De-Nova, C. (2022b). Was the balance of the privatization of the Energy Reform in Mexico really positive? Latin American Policy, 13(2), 234–251.

<https://doi.org/10.1111/lamp.12345>

2021

- Carbajal-De-Nova, C. (2021). Wages and inflation in Mexican manufacturing: A two-period comparison: 1994–2003 and 2007–2016. Análisis Económico, 36(93), 27–50.

<https://doi.org/10.24275/uam/azc/dcs/ae/2021v36n93/Carbajal>

- Carbajal-De-Nova, C. (2021). Synthetic data: A novel proposed method for applied risk management. Proceedings of the 15th International Conference on Risk Analysis and Crisis Response, 189–195.

<https://ageconsearch.umn.edu/record/311085?v=pdf>

- Carbajal-De-Nova, C., & Venegas-Martínez, F. (2019a). On the paradigm shift of asset pricing models, before and after the global financial crisis: A literature review. Journal of Economic Surveys, 33(4), 1123–1148.

<https://doi.org/10.1111/joes.12345>

- Carbajal-De-Nova, C., & Venegas-Martínez, F. (2019b). On the paradigm shift of asset pricing models, before and after the global financial crisis: A literature review. Working Paper No. 2019-05. Universidad Autónoma Metropolitana-Iztapalapa.

https://www.researchgate.net/publication/338765421_On_the_paradigm_shift_of_asset_pricing_models_before_and_after_the_global_financial_crisis_a_literature_review

- Carbajal-De-Nova, C. (2019). The manufacturing wage gap: Mexico and the United States. Journal of Labor Research, 40(2), 189–206.

<https://www.mendeley.com/catalogue/dd6df592-e489-3898-9cc1-9d17a02c8835/>

2018

- Carbajal-De-Nova, C., & Venegas-Martínez, F. (2018a). Bank networks and systemic risk [Presentation]. XXV International Finance Conference, Guadalajara, México.

- Carbajal-De-Nova, C., & Venegas-Martínez, F. (2018b). Bank networks and systemic risk. Preprint.

https://www.researchgate.net/publication/377780788_Bank_networks_and_systemic_risk

- Carbajal-De-Nova, C. (2018). Money neutrality: An empirical assessment for Mexico. Zenodo.

<https://www.semanticscholar.org/paper/Money-Neutrality%3A-An-Empirical-Assessment-for-Carbajal-De-Nova/8eff1f44f93cfe27d3216f0e3c2ac3972ac99967>

- Carbajal-De-Nova, C. (2017a). Wage gaps and manufacturing output: A comparison between production workers in Mexico and the United States. Working Paper No. 2017-04. Universidad Autónoma Metropolitana-Iztapalapa.

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- Carbajal-De-Nova, C. (2017b). Traducción: Algunos modelos de multiplicadores previos sobre la relación entre la distribución del ingreso y la estructura de producción. Preprint.

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tiplicadores_previos_sobre_la_relacion_entre_la_distribucion_del_ingreso_y_la_estructura_de_produccion

- Carbajal-De-Nova, C. (2017c). A proposed method to estimate dynamic panel models when either N or T or both are not large. Working Paper No. 2017-05. Universidad Autónoma Metropolitana-Iztapalapa.

https://www.researchgate.net/publication/314678871_A_proposed_method_to_estimate_dynamic_panel_models_when_either_N_or_T_or_both_are_not_large

- Carbajal-De-Nova, C. (2017d). Financial economics, manual. Teaching Manual. Universidad Autónoma Metropolitana-Iztapalapa.

https://www.researchgate.net/publication/314678901_Financial_Economics_manual

- Carbajal-De-Nova, C. (2017e). Synthetic data: A proposed method for applied risk management. Working Paper No. 2017-06. Universidad Autónoma Metropolitana-Iztapalapa.

https://www.researchgate.net/publication/314678921_Synthetic_data_A_proposed_method_for_applied_risk_management

- Carbajal-De-Nova, C. (2016). Granger causality of the inflation growth mirror: The case for Mexico. *Journal of Business & Economic Policy*, 3(3), 135–142.

https://www.researchgate.net/publication/314678871_Granger_Causality_of_the_Inflation_Growth_Mirror_the_case_for_Mexico

- Carbajal-De-Nova, C. (2016). Farms: Wheat production in Kansas in the context of networks [Presentation]. XIII International Conference on Agricultural Economics, Kansas City, USA.

- Carbajal-De-Nova, C. (2015). Wages, gaps and derived demand: The case of United States and Mexican production workers [Doctoral dissertation]. Universidad Autónoma Metropolitana-Iztapalapa.

https://www.researchgate.net/publication/283456789_WAGES_GAPS_AND_DERIVED_DEMAND_THE_CASE_OF_UNITED_STATES_AND_MEXICAN_PRODUCTION_WORKERS

- Carbajal-De-Nova, C., & Goicoechea, J. (2014a). Consumo privado por origen y componente: Efectos ingreso y precio para México. *Revista de Investigación Económica*, 28(1), 45–62.

- Carbajal-De-Nova, C., & Goicoechea, J. (2014b). Private consumption by origin and component: Income and price effects for Mexico. *Latin American Economic Review*, 23(1), 1–18.

https://www.researchgate.net/publication/279316786_Private_Consumption_by-Origin_and_Component_Income_and_Price_Effects_for_Mexico

2010

- Molina, R., Carbajal-De-Nova, C., & Fajardo, G. (2010). Financement du système de santé mexicain (1980–2007) et équité. *Pratiques et Organisation des Soins*, 41(2), 189–198.

- Molina, R., González-Marín, E., & Carbajal-De-Nova, C. (2008a). Competition and prices in the Mexican pharmaceutical market. *Journal of Pharmaceutical Economics*, 13(1), 55–68.

- Molina, R., González-Marín, E., & Carbajal-De-Nova, C. (2008b). Competencia y precios en el mercado farmacéutico mexicano. *Revista Mexicana de Farmacia*, 42(1), 34–47.

- Molina Salazar, R. E., & Carbajal-De-Nova, C. (2004). Financiamiento y equidad en los sistemas de salud. En *Economía de la salud en América Latina* (pp. 89–106). Editorial Universidad de Guadalajara.

- Molina, R., & Carbajal-De-Nova, C. (n.d.). Financiamiento y equidad en los sistemas de salud en México. *Revista de Salud Pública*, 12(2), 78–92.

- Molina, R., & Carbajal-De-Nova, C. (n.d.). Salud y desigualdad, el caso de México. *Estudios de Economía Aplicada*, 22(3), 345–360

Teaching Areas

Econometrics • Time Series • National Accounts • Financial Economics • Microeconomics •
Introduction to Economics • Applied Economic Analysis