

Gabriel V. Montes-Rojas

Campus Address

Instituto Interdisciplinario de Economía
Política (IIEP-BAIRES)
Facultad de Ciencias Económicas
Universidad de Buenos Aires
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baires.econ.uba.ar/ficha_investigador.php?id=70

Academic positions

Researcher (Investigador Independiente), CONICET, Argentina
IIEP-BAIRES-Universidad de Buenos Aires
July 2013- present

Facultad de Ciencias Económicas, Universidad de Buenos Aires

Full Professor – (Profesor Titular Regular) Econometría I

October 2019 – present

Professor – (Profesor Adjunto Regular) Microeconomía I

October 2019 – present

Assistant Professor – (Profesor Adjunto Interino)

2013-2015 – Microeconomía 1

Head Teaching Assistant (Ayudante de Primera ad-honorem)

1999-2001 – Organización Industrial

Teaching Assistant (Ayudante de Segunda ad-honorem)

1997-2001 – Estadística 1 & Microeconomía 1

Facultad de Ciencias Económicas, Universidad Nacional de La Plata

Full Professor – (Profesor Titular Regular) Econometría II

July 2017- present

Departament d'Economia Aplicada, Universitat Autònoma de Barcelona

Professor Visitante – Investigador Ramón y Cajal

September 2015 – July 2016

Department of Economics, City University of London

Professor (Chair in Economics) April 2011- August 2017

Senior Lecturer August 2009- April 2011

Lecturer August 2007- August 2009

ECM108 (Econometrics for MSc and PhD in Economics)

ECM024 (The Economics of Micro-Finance for MSc in Economics)

EC3021 (Development Economics for third year undergraduates)

Department of Economics, University of Illinois at Urbana-Champaign

Assistant Instructor –Master of Science in Policy Economics

Fall 2004 – Spring 2006 - ECON 506 (Economic Statistics) and ECON 508 (Applied Econometrics)

2005 Robert E. Demarest Teaching Award. Incomplete List of Teachers Ranked as Excellent by their Students (Fall 2004, Spring 2005, Fall 2005, Spring 2006).

Teaching Assistant

Fall 2002 – Spring 2004 - ECON 103 (Macroeconomics) and Econ 102 (Microeconomics)

Incomplete List of Teachers Ranked as Excellent by their Students (Fall 2003).

Lecturer

Summer 2004 - ECON 102 (Microeconomics)

Other Work Experience

Research Economist – Bureau of Economic and Business Research

University of Florida

References: Prof. Dave Denslow DaveD@bebr.ufl.edu, Prof. James Dewey JimD@bebr.ufl.edu

2006-2007

Consultant - The World Bank (Washington DC)

Latin American and the Caribbean Region – Chief Economist Office and PREM

References: William Maloney wmaloney@worldbank.org, Pablo Fajnzylber pfajnzylber@worldbank.org, Pablo Acosta pacosta@worldbank.org

2001-2013

Countries with specific work experience: **LAC (Argentina, Brazil, Chile, Colombia, Mexico, Peru, Uruguay), Caribbean countries group, Nepal, São Tomé e Príncipe.**

Junior Economist and Research Assistant- FIEL, Buenos Aires, Argentina

1997-2001

Education

University of Illinois at Urbana-Champaign, United States

PhD in Economics (2007) – Advisor: Prof. Anil K. Bera (abera@illinois.edu)

University of Illinois at Urbana-Champaign, United States

M.S. in Statistics (2006)

Universidad de San Andrés, Buenos Aires, Argentina

M.A. in Economics (2002)

Universidad de Buenos Aires, Buenos Aires, Argentina

Licenciado en Economía (B.A. in Economics, 1999)

Graduated Magna Cum Laude

Grants, Fellowships, Honors and Awards

UBACYT 20020170200161BA "Métodos Econométricos para la Selección de Niveles de Agrupamiento de Datos" 2018-2019

Investigadores Responsable: Gabriel Montes-Rojas

PICT-2014-2176 "Métodos Econométricos para la Selección de Niveles de Agrupamiento de Datos" 2014-2018

Investigadores Responsables: Walter Sosa-Escudero y Gabriel Montes-Rojas

Gobierno de España, Ministerio de Ciencia e Innovación.

-Ayuda Ramón y Cajal 2014- 2015 a 2020.

Gobierno de España, Ministerio de Ciencia e Innovación.

-2016-2018 Equity and Poverty: Methods and Implications, ECO2013-46516-C4-1-R

-2016-2018 Equity and Development Research Group, SGR2014-1279 (Generalitat de Catalunya)

-2010-2013 ECO2011-22650 "EL PAPEL DEL TIPO DE CAMBIO Y DE LA AVERSION AL RIESGO COMO MECANISMOS DE PROPAGACION ENTRE LOS MERCADOS FINANCIEROS Y LA ECONOMIA." Euros 12,000

City University of London

- 2010 City University Staff Prize for Research Excellence. £1,000

- Pump Priming Research Grant "‘Little help will take us nowhere’: A new econometric approach to the nature of poverty traps" 2009/2010. £11,000

- City University Research Fellow 2007-2009

University of Illinois at Urbana- Champaign

- Graduate College Fellowship (Fall 2004, Spring 2005, Fall 2005 and Spring 2006)

- Research Fellowship, Department of Economics (Summer 2006)

- Tinker Fellowship for Summer Research (Summer 2004 and Summer 2005)

- Robert E. Demarest Teaching Award (2005)

- Brems Graduate Research Award (2006) for best research paper in Economics

Universidad de Buenos Aires, Buenos Aires, Argentina

- Graduated Magna Cum Laude

- Becario PROPAL, Proyecto UBACYT TE 10, 1999-2001

- Beca de Doctorado de la Universidad de Buenos Aires

References

- **Anil Bera, Professor, University of Illinois at Urbana-Champaign,** abera@illinois.edu
- **William Maloney, Lead Economist, World Bank,** wmaloney@worldbank.org
- **Walter Sosa-Escudero, Professor, Universidad de San Andrés,** waltersosaescudero@gmail.com

Publications

Refereed journal articles and book chapters

- Bera, A., Montes-Rojas, G., Sosa-Escudero, W. & Alejo, J. (2020). "Tests for nonlinear restrictions under misspecified alternatives with an application to testing rational expectation hypotheses," forthcoming *Econometrics Journal*.
- Izaguirre, A. & Montes-Rojas, G. (2019) "Horvitz-Thompson estimator under partial information with an application to network degree distribution," forthcoming in *Communications in Statistics – Computation and Simulation*.
- Ariza, J. & Montes-Rojas, G. (2019) "Decomposition methods for analyzing inequality changes in Latin America 2002-2014," *Empirical Economics*, 57(6), 2043-2078.
- Blanco, E., Elosegui, P., Izaguirre, A. & Montes-Rojas, G. (2019). "Regional and state heterogeneity of monetary shocks in Argentina," *Journal of Economic Asymmetries*, 20, e00129.
- Galvao, A., Montes-Rojas, G. & Olmo, J. (2019). "Tests of asset pricing with time-varying factor loads," *Journal of Applied Econometrics*, 34(5), 762-778.
- Montes-Rojas, G. (2019). "Multivariate quantile impulse response functions," *Journal of Time Series Analysis*, 40, 739-752.
- Temizsoy, A. & Montes-Rojas, G. (2019) "Measuring the effect of monetary shocks on European sovereign country risk: an application of GVAR models," *Journal of Applied Economics*, 22(1), 484-503.
- Heymann, D. & Montes-Rojas, G. (2018). "On model-consistent expectations in macroeconomics," *Económica, La Plata*, 64, 22-45.
- Alejo, J., Galvao, A. & Montes-Rojas, G. (2018) "Quantile continuous treatment effects," *Econometrics and Statistics*, 8, 13-36.
- Galvao, A., Montes-Rojas, G., Olmo, J. & Song, S. (2018). "On solving endogeneity with invalid instruments: An application to investment equations," *Journal of the Royal Statistical Society – Series A*, 181(3), 689-716.
- Galvao, A., Juhl, T., Montes-Rojas, G. & Olmo, J. (2018). "Testing slope homogeneity in quantile regression panel data with an application to the cross-section of stock returns," *Journal of Financial Econometrics*, 16(2), 211-243.
- Alejo, J., Montes-Rojas, G. & Sosa-Escudero, W. (2018) "What and how to cluster over? Testing for serial versus equi-correlation," *Journal of Multivariate Analysis*, 165C, 101-116.
- Temizsoy, A., Iori, G. & Montes-Rojas, G. (2017) "Network centrality and funding rates in the e-MID interbank market," *Journal of Financial Stability*, 33, 346-365.
- Ariza, J., & Montes-Rojas, G. (2017). "Labour income inequality and the informal sector in Colombian cities," *Cuadernos de Economía*, 36(72), 77-98.
- Montes-Rojas, G., Siga, L. & Mainali, M. (2017) "Mean and quantile regression Oaxaca-Blinder decompositions with an application to caste discrimination," *Journal of Income Inequality*, 15(3), 245-255.
- Galvao, A., & Montes-Rojas, G. (2017). "Multi-dimensional panels in quantile regression models," in Lazslo, M. (ed.) *The Econometrics of Multi-dimensional Panels*,

Springer, Switzerland, chapter 8, 239-261.

- Bera, A., Montes-Rojas, G. & Sosa-Escudero, W. (2017). "A new robust and most powerful test in the presence of local misspecification," *Communications in Statistics - Theory and Methods*, 46(16), 8187-8198.
- Montes-Rojas, G. (2017) "Reduced form vector quantile regression," *Journal of Multivariate Analysis*, 158, 20-30.
- Montes-Rojas, G. (2017). "A capital invariant solution to the Marxian transformation problem," *Review of Radical Political Economics*, 49(1), 114-124.
- Galvao, A., Montes-Rojas, G. & Song, S. (2017). "Endogeneity bias modeling using observables," *Economics Letters*, 152, 41-45.
- Mainali, R., Jafarey, S. & Montes-Rojas, G. (2017) "Earnings and caste: An evaluation of caste wage differentials in the Nepalese labour market," *Journal of Developing Studies*, 53(3), 396-421.
- Alejo, J., Bera, A., Galvao, A., Montes-Rojas, G. & Xiao, Z. (2017). "Tests for normality based on the quantile-mean covariance," *STATA Journal*, 16(4), 1039-1057.
- Montes-Rojas, G. (2016) "An equicorrelation Moulton factor in the presence of arbitrary intra-cluster correlation," *Economics Letters*, 45, 221-224.
- Bera, A., Galvao, A. Montes-Rojas, G. & Park, S-Y. (2016). "Asymmetric Laplace regression: Maximum likelihood, maximum entropy and quantile regression," *Journal of Econometric Methods*, 5(1), 79-101.
- Temizsoy, A, Iori, G. & Montes-Rojas, G. (2015). "The role of bank relationships in the interbank market," *Journal of Economic Dynamics and Control*, 59, 118-141.
- Galvao, A. & Montes-Rojas, G. (2015). "On bootstrap inference for quantile regression panel data: A Monte Carlo study," *Econometrics*, 3, 654-666.
- Alejo, J., Galvao, A., Montes-Rojas, G. & Sosa-Escudero, W. (2015) "Tests for normality in linear panel data models," *STATA Journal*, 15(3), 822-832.
- Galvao, A. & Montes-Rojas, G. (2015). "On the equivalence of instrumental variables estimators for linear models," *Economics Letters*, 134, 13-15.
- Zincenko, F., Sosa-Escudero, W. & Montes-Rojas, G. (2014). "Robust tests for time-invariant individual heterogeneity vs. dynamic state dependence," *Empirical Economics*, 47(4), 1365-1387.
- Acosta, P. & Montes-Rojas, G. (2014). "Informal jobs and trade liberalisation in Argentina," *Journal of Development Studies*, 50(8), 1104-1118.
- Galvao, A., Kato, K., Montes-Rojas, G. & Olmo, J. (2014). "Testing linearity against threshold effects: Uniform inference in quantile regression," *Annals of the Institute of Mathematical Statistics*, 66(2), 413-439.
- Dentler, A., Montes-Rojas, G. & Olmo, J. (2014). "Endogeneity in threshold nonlinearity tests," *Communications in Statistics - Theory and Methods*, 43(1), 105-114.
- Montes-Rojas, G. & Galvao, A. (2014). "Bayesian endogeneity bias modeling," *Economics Letters* 122(1), 36-39.
- Galvao, A., Montes-Rojas, G. & Olmo, J. (2013). "A panel data test for poverty traps," *Applied Economics* 45(14), 1943-1952.
- Galvao, A., Montes-Rojas, G., Sosa-Escudero, W. & Wang, L. (2013). "Tests for skewness and kurtosis in the one-way error components model," *Journal of Multivariate Analysis* 122, 35-52.

- Cai, Y., Montes-Rojas, G. & Olmo, J. (2013). "Quantile double AR time series models for financial returns," *Journal of Forecasting* 32(6), 551-560.
- Montes-Rojas, G. (2013). "Can poor countries lobby for more US bilateral aid?" *World Development* 44, 77-87.
- Galvao, A., Montes-Rojas, G. & Park, S-Y. (2013). "Quantile autoregressive distributed lag model with an application to house price returns," *Oxford Bulletin of Economics and Statistics* 75(2), 307-321.
- Chiodi, V., Jaimovich, E. & Montes-Rojas, G. (2013) "Migration, remittances and capital accumulation: Evidence from rural Mexico," *Journal of Development Studies* 48(8), 1139-1155.
- Kato, K., Galvao, A. & Montes-Rojas, G. (2012). "Asymptotics for panel quantile regression models with individual effects," *Journal of Econometrics* 170 (1), 76-91.
- Montes-Rojas, G. (2012) "Optimal spatial prediction and the construction of regional indexes," *Journal of Economic Asymmetries* 9(1), 1-22.
- Gabrieli, T., Galvao, A. & Montes-Rojas, G. (2012). "Who benefits from reducing the cost of formality? Quantile regression discontinuity analysis," *Research in Labor Economics* 34 *Informal Employment in Emerging and Transition Economies* edited by Hartmut Lehmann and Konstantinos Tatsiramos, *Chapter 3, 101-133*.
- Montes-Rojas, G. (2011) "Quantile regression with classical additive measurement errors," *Economics Bulletin* 31(4), 2863-2868.
- Montes-Rojas, G. (2011) "Nonparametric estimation of ATE and QTE: An application of fractile graphical analysis," *Journal of Probability and Statistics*, Volume 2011, Special Issue: Advances in Applied Econometrics.
- El-Atroush, I.M. & Montes-Rojas, G. (2011). "Technical Efficiency Estimation via Metafrontier Technique with Factors that Affect Supply Chain Operations," *International Journal of Business and Economics* 10(2), 117-138.
- Galvao, A., Montes-Rojas, G. & Olmo, J. (2011). "Threshold quantile autoregressive models," *Journal of Time Series Analysis* 32(3), 253-267.
- Fajnzylber, P., Maloney, W. & Montes-Rojas, G. (2011). "Does formality improve micro-firm performance? Quasi-experimental evidence from the Brazilian SIMPLES program," *Journal of Development Economics* 94(2), 262-276.
- Baer, W., Margot, D. & Montes-Rojas, G. (2011). "Argentina's default and the lack of dire consequences" *Economia Aplicada (Brazilian Journal of Applied Economics)* 15(1), 131-146.
- Montes-Rojas, G. & Sosa-Escudero, W. (2011). "Robust tests for heteroskedasticity in the one-way error components model," *Journal of Econometrics* 160(2), 300-310.
- Montes-Rojas, G. (2011). "Robust misspecification tests for the Heckman's two-step estimator," *Econometrics Reviews* 30(2), 154-172.
- Bera, A., Montes-Rojas, G. & Sosa-Escudero, W. (2010). "General specification testing with locally misspecified models," *Econometric Theory* 26(6), 1838-1845.
- Galvao, A., & Montes-Rojas, G. (2010). "Penalized quantile regression for dynamic panel data," *Journal of Statistical Planning and Inference* 140(11), 3476-3497.
- Montes-Rojas, G. (2010). "Testing for random effects and serial correlation in spatial autoregressive models," *Journal of Statistical Planning and Inference* 140(4), 1013-1020.

- Montes-Rojas, G. (2010). "Confronting neoclassical myths about self-employment in Latin America," *Review of Radical Political Economics* 42(1), 50-65.
- Gawande, K., Maloney, W. & Montes-Rojas, G. (2009). "Can foreign lobbying enhance development? The case of tourism in the Caribbean," *Journal of Development Economics* 90(2), 267-275.
- Fajnzylber, P., Maloney, W. & Montes-Rojas, G. (2009). "Releasing constraints to growth or pushing on a string? Policies and performance of Mexican micro-firms," *Journal of Development Studies* 45(7), 1027-1047.
- Galvao, A., Montes-Rojas, G. & Olmo, J. (2009). "Quantile threshold effects in the dynamics of the Dollar/Pound exchange rate," *Journal of Economic Asymmetries* 6(2), 69-82.
- Montes-Rojas, G. (2009) "A note on the variance of average treatment effects estimators," *Economics Bulletin* 29(4), 2937-2943.
- Mandelman, F. & Montes-Rojas, G. (2009). "Is self-employment and micro-entrepreneurship a desired outcome?" *World Development* 37(12), 1914-1925.
- Dewey, J. & Montes-Rojas, G. (2009). "Inter-city wage differentials and intra-city workplace centralization," *Regional Science & Urban Economics* 39(5), 602-609.
- Bera, A., Montes-Rojas, G. & Sosa-Escudero, W. (2009). "Testing under local misspecification and artificial regressions," *Economics Letters* 104(2), 66-68.
- Montes-Rojas, G. & Siga, L. (2009) "On the nature of micro-entrepreneurship. Evidence from Argentina," *Applied Economics* 41, 2667-2680.
- Acosta, P. & Montes-Rojas, G. (2009). "A simple IM test for exponential distributions," *Applied Economics Letters* 16(2), 109-112.
- Baer, W. & Montes-Rojas, G. (2008). "From privatization to re-nationalization: What went wrong with privatizations in Argentina?" *Oxford Development Studies* 36(3), 323-338.
- Acosta, P. & Montes-Rojas, Gabriel V (2008). "Trade reform and inequality: The case of Mexico and Argentina in the 1990s," *World Economy* 31(6), 763-780.
- Montes-Rojas, G. (2008). "Non-uniform wealth distribution in a simple spatial banking model," *Journal of Applied Economics* XI, 145-165.
- Montes-Rojas, G. & Santamaría, M. (2007). "Sources of productivity growth: Evidence from the Mexican manufacturing sector," *North American Journal of Economics and Finance* 18(3), 263-268.
- Montes-Rojas, G. & Santamaría, M. (2007). "The burden of labour costs in Mexico," *LABOUR: Review of Labour Economics and Industrial Relations* 21(1), 157-188.
- Montes-Rojas, G. (2006). "Skill premia in Mexico: Demand and supply factors," *Applied Economic Letters* 13(14), 917-924.
- Fajnzylber, P., Maloney, W. & Montes-Rojas, G. (2006). "Micro-firms dynamics in less developed countries: How similar are they to those in the industrialized world? Evidence from Mexico," *World Bank Economic Review* 20(3), 389-419.
- Maloney, W. & Montes-Rojas, G. (2005). "How elastic are sea, sand and sun? Dynamic panel estimates of the demand for tourism," *Applied Economics Letters* 12(5), 277-280.

Editorial Activities

Associate Editor: *Econometrics* (<http://www.mdpi.com/journal/econometrics/editors>)

Editor Special Issue “Quantile Methods” for the journal *Econometrics*:
(http://www.mdpi.com/journal/econometrics/special_issues/quantilemethods)

Reviewer: Journal of the American Statistical Association, Journal of Econometrics, Journal of Applied Econometrics, Journal of Development Economics, Journal of Development Studies, American Economic Journal: Macroeconomics, Econometric Journal, Econometric Reviews, Empirical Economics, World Development, Bulletin of Economic Research, Journal of Public Economic Theory, Economics Bulletin, Bulletin of Economics Research, Biometrika.

Conferences

- 13th International Conference on Computational and Financial Econometrics, 14-16 December 2019, Senate House and Birkbeck University of London, UK.
- V Jornadas de Econometría. Universidad de Buenos Aires, 17-18 October 2019, Universidad de Buenos Aires, Argentina.
- 12th International Conference on Computational and Financial Econometrics, 14-16 December 2018, University of Pisa, Italy
- LIII Reunión Anual de la Asociación Argentina de Economía Política. La Plata, November 2018.
- IV Jornadas de Econometría. Universidad de Buenos Aires, 13-14 September 2018, Universidad de Buenos Aires, Argentina.
- LII Reunión Anual de la Asociación Argentina de Economía Política. 15-17 November 2017, San Carlos de Bariloche, Argentina.
- 2017 Annual Meeting of the Latin American and Caribbean Economic Association and Latin American Meeting of the Econometric Society, 9-11 November 2017, Buenos Aires, Argentina.
- LI Reunión Anual de la Asociación Argentina de Economía Política. San Miguel de Tucumán, November 2016.
- III Jornadas de Econometría. Universidad de Buenos Aires, September 2016.
- 11th Econometric Society World Congress. Montreal, Canada 2015. (I could not present for Visa issues)
- 2015 Royal Economic Society Annual Conference. Manchester, April 2015.
- IL Reunión Anual de la Asociación Argentina de Economía Política. Posadas, Argentina, November 2014.
- I Jornadas de Econometría. Universidad de Buenos Aires, October 2013.
- 2011 North American Summer Meeting of the Econometric Society. St. Louis, June 2011.
- 2011 Royal Economic Society Annual Conference. Royal Holloway, April 2011.
- 10th Econometric Society World Congress. Shanghai, August 2010.
- African Meeting of the Econometric Society. Cairo, July 2010.
- 16th Panel Data Conference. Amsterdam, July, 2010.
- EALE/SOLE Meeting. London, June, 2010.
- 64th European Meeting of the Econometric Society. Barcelona, August 2009.

- 2009 Far East and South Asian Meeting of the Econometric Society. Tokyo, August 2009.
- 15th Panel Data Conference. Bonn, July 2009.
- 2009 North American Summer Meeting of the Econometric Society. Boston, June 2009.
- 2009 Royal Economic Society Annual Conference. Surrey, April 2009.
- ERSAs 2008 Culture, Cohesion and Competitiveness: Regional Perspectives. Liverpool, August 2008.
- 2008 Far East and South Asian Meeting of the Econometric Society. Singapore, July 2008.
- 2008 Royal Economic Society Annual Conference. Warwick, March 2008.
- 2008 American Economic Association Conference, New Orleans, January 2008.
- ECOMOD Regional and Urban Modeling, Brussels, June 2007.
- Midwest Econometrics Group, University of Cincinnati, Cincinnati, October 2006.
- Midwest Econometrics Group, University of Southern Illinois, Carbondale, October 2005.

Invited Seminars

- Universidad de Buenos Aires, Facultad de Ciencias Exactas, Buenos Aires, 04/06/2018.
- Universidad Torcuato Di Tella, Buenos Aires, 04/04/2018.
- São Paulo School of Economics, Fundação Getulio Vargas, São Paulo, 12/09/2017.
- University of Southampton, Southampton, 17/10/2015.
- Queen Mary University of London, Econometrics Seminar, London, December 2010.
- Universidad de Alicante, Econometrics Seminar, Alicante, October 2008.
- Cass Business School, Finance Workshop, London, October 2008.
- Universidad de San Andrés, Department of Economics Seminar, Buenos Aires, July 2006.
- University of Illinois at Urbana-Champaign, Labor Economics Brown Bag Seminar, May 2005.
- Universidad de San Andrés, Department of Economics Seminar, Buenos Aires, July 2002.

PhD Supervision at City University London

PhD Thesis Director

- Ibrahim Elatroush (2007-2011) “Measuring the productivity efficiency in the textiles and clothing industry by using data”
- Ram Mainali (2010-2014) “Labor market discrimination and induced deficiency in human capital endowment: Evidence from household survey data in Nepal”
- Asena Temizsoy (2010-2016) “Predicting financial crises”

PhD Thesis Co-Director

- William Pouliot (2007-2010) "U-statistic Type Tests for Structural Breaks in Linear Regression Models." Currently visiting lecturer at University of Birmingham
- Mark Hallam (2010-2013) “Estimating and forecasting daily densities using nonparametric methods and high frequency data”

PhD Supervision at Universidad de San Andrés
PhD Thesis Director
Alejandro Izaguirre (2015-.) “Sampled networks”.