

July, 2022

## Sergio S. Urzúa

3114 Tydings Hall, Room 3115J  
College Park, MD 20742

phone: 301-405-3266  
fax: 301-405-3542

[https://www.econ.umd.edu/facultyprofile/urzua/sergio\\_surzua@umd.edu](https://www.econ.umd.edu/facultyprofile/urzua/sergio_surzua@umd.edu)

### PROFESSIONAL POSITIONS

- Professor of Economics, University of Maryland (2020- )
- NBER Research Associate (2016-)
- IZA Research Fellow (2009-)
- International Research Fellow, Clapes-UC (2015-)
- Research Director, RIDGE (2019- )

### EDUCATION

Ph.D. Economics, University of Chicago, 2007  
M.A. Economics, University of Chicago, 2003  
M.A. Economics, University of Chile, 2001  
B.A. Economics, University of Chile, 2000

### FIELDS

Applied Micro-econometrics, Labor and Development Economics.

### PREVIOUS POSITIONS

- Associate Professor, Department of Economics, University of Maryland (2016-20)
- Assistant Professor, Department of Economics, University of Maryland (2011-16)
- Head of Labor Affairs, Ministerio de Hacienda, Chile (2010-11)
- Assistant Professor, Department of Economics, Northwestern University (2007-10)

### BOOKS

[1] *Constitución, Economía y Desarrollo* (with F. Larraín). Editorial Universidad Católica de Chile. February 2022.

[2] *The Fast Track to New Skills: Short-Cycle Higher Education Programs in Latin America and the Caribbean*. (with M. Ferreyra, L. Dinarte, and M. Bassi). 2021. Washington, DC: World Bank. © World Bank.  
<https://openknowledge.worldbank.org/handle/10986/35598>

[3] *Education on the Fast Track (Educación con Patines)* (with A. Fontaine). Editorial el Mercurio, February 2018.  
<http://educacionconpatines.com/prologue-of-education-on-the-fast-track/>

[4] *At a Crossroad: Higher Education in Latin America and the Caribbean* (with M. Ferreyra, C. Avitabile, J. Botero and F. Haimoivh). Washington, DC: World Bank. © World Bank, 2017.

[5] *Disconnected: Skills, Education and Employment in Latin America* (with M. Bassi, M. Busso and J. Vargas). Washington, DC: IADB, 2012.  
<http://www.iadb.org/en/topics/education/disconnected-downloads,6114.html>

## ARTICLE PUBLICATIONS

[1] "Voting for Democracy: Evidence from Chile's Plebiscito" (with E. Kaplan and F. Saltiel). *A EJ: Economic Policy*, forthcoming.  
Available: NBER Working Paper No. 26440.

[2] "Dynamic Treatment Effects of Job Training" (with F. Saltiel and J. Rodriguez), *Journal of Applied Econometrics*, August 2021 (online).  
Available: NBER Working Paper No. 25408.

[3] "The children of the missed pill" (with M. Sarzosa and T. Rau), *Journal of Health Economics*, July 2021 (online).  
Available: NBER Working Paper No. 23911.

[4] "Bullying among Adolescents: The Role of Cognitive and Non-cognitive Skills" (with M. Sarsoza), *Quantitative Economics*. Volume 12, Issue 3 (July 2021).  
Available: NBER Working Paper No. 21631.

[5] "Does an Increasing Minimum Wage Reduce Formal Sector Employment? Evidence from Brazil" (with F. Saltiel), *Economic Development and Cultural Change*, 2021.

[6] "Birth Order, Education, and Family Size" (with J. Bagger, J. Birchenall, H. Mansour), *The Economic Journal*, Volume 131, Issue 633, January 2021.  
Available: NBER working paper N 19971.

[7] "Should I Stay or Should I Go? Career Choices for Young Workers in Latin America." (with F. Saltiel and G. Rucci), *Economic Inquiry*, January 2020.

[8] One Size Does Not Fit All: Multiple Dimensions of Ability, College Attendance and Earnings (with M. Prada), *Journal of Labor Economics*, Vol. 35, no. 4 (October 2017): 953-991.

[9] Heterogeneous Economic Returns to Postsecondary Degrees: Evidence from Chile (with J. Rodriguez and L. Reyes), *Journal of Human Resources*, Spring 2016, Vol. 51(2).

[10] Implementing Factor Models with Unobserved Heterogeneity in Stata: The *heterofactor* command (with. M. Sarzosa), *Stata Journal*, Vol. 156(1), 2016.

[11] Early Exposure to Hazardous Waste and Academic Achievement: Evidence from a Case of Environmental Negligence (with T. Rau and L. Reyes), *Journal of the Association of Environmental and Resource Economists*, Vol. 2, (December 2015), pp 527-563.  
Recipient of the 2015 Best Article published in JAERE.

[12] Cost benefit analysis of an integrated ECD program in a low-income country (with F. Lopez

- Boo and G. Palloni), *Annals of the New York Academy of Science*, 1308 (2014) 129-138.
- [13] Economic Perspectives on Integrating Early Child Stimulation with Nutritional Interventions (with H. Alderman, J. Behrman, S. Grantham-McGregor, F. Lopez Boo), *Annals of the New York Academy of Science*, 1308 (2014) 139-148.
- [14] Do as You're Told! Facets of Agreeableness and Early Adult Outcomes for Inner-City Boys (with M. Kern, A. Duckworth, R. Loeber, M. Loeber and D. Lynam), *Journal of Research in Personality*, 2013 Dec, 47(6).
- [15] The Labor Market Return to an Attractive Face: Evidence from a Field Experiment (with F. Lopez Boo and M. Rossi). *Economics Letters*, Vol. 118, Issue 1, Jan. 2013 (Top 10 downloads from March 2012, IZA)
- [16] The Effects of Participation in Public Child Care Centers: Evidence from Chile (with G. Noboa-Hidalgo). *Journal of Human Capital*, Vol. 6, N. 1, Spring 2012.
- [17] The Education Health-Gradient (with G. Conti and J. Heckman). *American Economic Review, Papers and Proceedings*, May 2010.
- [18] Testing the Correlated Random Coefficient Model (with J. Heckman and D. Schmieder). *Journal of Econometrics*, vol. 157, 2010. (featured by *The Economist* <http://www.economist.com/node/21552566>)
- [19] Comparing IV With Structural Models: What Simple IV Can and Cannot Identify (with J. Heckman). *Journal of Econometrics*, Vol. 156(1), 2010.
- [20] Occupational Choice with Financial Intermediation: Linking Mechanism Design with Heterogeneity to Econometric Policy Evaluation (With R. Townsend). *Macroeconomic Dynamics*, 13 (2), 2009-268-316, 2009.
- [21] Racial Labor Market Gaps: The Role of Abilities and Schooling Choices. *Journal of Human Resources*, Vol. 43(4): pp. 919-971, 2008.
- [22] Instrumental Variables in Models with Multiple Outcomes: The General Unordered Case (with J. Heckman and E. Vytlacil). *Les Annales d'Economie et de Statistique*, 91-92, 2008.
- [23] The use of instrumental variables in the presence of heterogeneity and self-selection: an application in breast cancer patients (2007) (With A. Basu, J. Heckman and S. Navarro). *Health Economics* 16(11):1133-1157, 2007.
- [24] Understanding instrumental Variables in Models with Essential Heterogeneity (with J. Heckman and E. Vytlacil). *Review of Economics and Statistics*, v88, n3, 2006.
- [25] The effect of cognitive and Non-cognitive factors in behavioral and labor outcomes" (With J. Heckman and J. Stixrud). *Journal of Labor Economics*, v24, n3, 2006.

## OTHER PEER-REVIEWED PUBLICATIONS

### English:

[26] “Redistribution Through Education: Assessing the Long-Term Impact of Public Spending”. *Forthcoming. In CEQ Handbook, 2nd edition, Nora Lustig (editor).*

[27] The (Un)expected Economic Consequences of the Recent Expansion of Higher Education in Latin America (with R. Espinoza). *Latin American Policy Journal*, Vol. 7 spring 2018.

[28] Cognitive and Socio-emotional Ability (with F. Saltiel and M. Sarzosa). In *Handbook of Contemporary Education Economics*, Johnes, G., Johnes, J., Agasisti, T., López-Torres, L. (Eds), Edward Elgar, Northampton, MA, USA, Dec. 2017.

[29] Economic Perspectives on Some Important Dimensions of Early Childhood Development in Developing Countries (with J. Behrman). In *Handbook of Early Childhood Development Research and Its Impact on Global Policy*, Rebello, P., Engle, P., and Super, C. (Eds). Oxford University Press, 2013.

[30] The Economic Consequences of Chile’s Free Higher Education Plan (with Ricardo Espinoza), *Revista de Educación*, Vol. 370, Oct-Dec 2015. (also available in Spanish)

[31] Human Capital and the Economic Development in Latin America: Where are we? Where are we going? (with G. Rucci and M. Bassi), chapter prepared for *Development in the Americas* (DIA) 2014, Interamerican Development Bank, 2014.

[32] Identifying Labor Market Discrimination using an Experimental Design (with D. Bravo and C. Sanhueza) in *Discrimination in Latin America: An Economic Perspective*, Ñopo, H., Chong, A., Moro, A. (Eds), Interamerican Development Bank, 2009.

[33] Ability, Schooling Choices and Gender Labor Market Discrimination: Evidence for Chile (with D. Bravo and C. Sanhueza) in *Discrimination in Latin America: An Economic Perspective*, Ñopo, H., Chong, A., Moro, A. (Eds), Interamerican Development Bank, 2009.

### Spanish:

[34] La inconveniencia de un impuesto a los graduados para financiar una educación superior gratuita (with Ricardo Espinoza). *Economía y Política*, Vol. 2, 2015.

[35] El Impacto de los Establecimientos Educativos de Excelencia: El caso del Instituto Nacional de Chile. (with A. Bucarey, M. Jorquera and P. Muñoz) *Estudios Públicos*, 2014.

[36] Los Retornos Económicos de la Educación Media Técnica (with A. Bucarey), *Estudios Públicos*, vol. 129, 2013.

[37] La Demanda y Oferta de Educación Temprana en Chile (with L. Reyes). *Estudios Públicos*, Vol. 126, 2012.

[38] The Economic Returns to Higher Education in Chile: Revising the Foundations of 30 Years of Public Policies. *Estudios Públicos*, Vol. 125, 2012. (cited by *The Economist* <http://www.economist.com/node/21552566>)

## OTHER PUBLICATIONS

### *English:*

[39] Review of *The Biological Consequences of Socioeconomic Inequalities* edited by Barbara Wolfe, William Evans, and Teresa E. Seeman, *Journal of Economic Literature*, 2014.

### *Spanish:*

[40] Gratuidad en Educación Superior vía Impuestos a la Acumulación de Capital Humano: Propuesta Inconveniente (with Ricardo Espinoza) *Public Policy Series*, March 2015, Clapes-UC.

[41] Selección, diversidad y libertad de enseñanza (with Arturo Fontaine), *Public Policy Series*, November 2014, Clapes-UC.

[42] El fin de los Liceos Emblemáticos: ¿Por qué? ¿Cómo? ¿Impacto? (with Arturo Fontaine), *Public Policy Series*, September 2014, Clapes-UC.

[43] Gratuidad de la Educación Superior en Chile en Contexto (with Ricardo Espinoza), *Public Policy Series*, July 2014. Clapes-UC.

[44] Desigualdad, segregación y resultados educacionales. Evidencia desde el Metro de Santiago (with J. A. Echenique) *Punto de Referencia* 359, Mayo 2013, Centro de Estudios Públicos.

[45] Pobreza y Desigualdad ¿Dónde estamos? ¿Hacia dónde vamos? (with J. A. Echenique) *Punto de Referencia* 353, Noviembre 2012, Centro de Estudios Públicos.

## SUBMITTED

[1] “Labor Market Effects of Short-Cycle Higher Education Programs: Lessons from Colombia” (with C. Galindo and M. Ferreyra). *Manuscript*, 2022.  
Available: NBER Working Paper No. 30178, June 2022.

[2] “Centralized Admission Systems and School Segregation: Evidence from a National Reform” (with M. Kutscher and S. Nath). *R & R, Journal of Public Economics*.  
Available: IZA Discussion Paper No. 13305, May 2022.

[3] “The Transmission of Commodity Price Super-Cycles” (F. Benguria and F. Saffie). *Reject & R, The Review of Economic Studies*.  
Available: NBER Working Paper No. 24560.

[4] “Training, Soft-skills and Productivity: Evidence from a Field Experiment” (with M. Prada and G. Rucci). *R & R (Second round), Industrial and Labor Relations Review*.  
Available: IZA Discussion Working Paper Series, No. 12447.

## WORK IN PROGRESS

[5] “Have the Returns to AFQT scores really Declined?” (with J. Hellerstein and S. Lou). *Manuscript*, 2022.

[6] “What Makes a Program Good? Evidence from Short-Cycle Higher Education Programs in Latin America and the Caribbean” (with L. Dinarte-Diaz, M. Ferreyra, and M. Bassi). *Manuscript*, 2022. Available: Policy Research Working Paper No. 9772, World Bank, 2021.

[7] “The Returns to Private Education: Evidence from School-to-Work Transitions” (with D. Contreras and J. Rodriguez). *Manuscripts*, 2020.

[8] “Between- versus Within-Firm Inequality in Latin America”, (with G. Rucci, F. Saltiel and E. Muñoz). *Manuscript*, 2019.  
Available: IADB Working Paper Series No. 1004.

[9] “Shooting stars? Firms and Education as Mediators of the Returns to Skills” (with F. Saltiel), *Manuscript*, 2019.

[10] “The Causal Effect of Skills: An International Study” (with R. Espinoza, K. Miyamoto, M. Sarzosa). *Manuscript*, 2019.

## **PERMANENT WORKING PAPERS**

“The Effect of Mandated Child Care on Female Wages in Chile”, (with G. Rucci, M. Prada). NBER working paper N 21080, April 2015.

“Returns to Higher Education in Chile and Colombia”, (with C. González-Velosa, G. Rucci, M. Sarzosa). IDB Working Paper Series, N. IDB-WP-587, March, 2015

“Education, Health, and Wages” (with J. Heckman, John Humphries and G. Veramendi), NBER working paper N 19138, March 2014.

“Loans for Higher Education: Does the dream come true?” (with E. Rojas and T. Rau). NBER working paper N 19138, June 2013.

“The Impact of Publically Funded Innovation Projects: Evidence from Chile’s INNOVA program” (with G. Crespi, A. Maffioli, R. Stucchi), October, 2013.

“Firm Dynamics in Chile: Evidence from Matched employer-employee data”, (with M. Rodriguez-Chatruc), September, 2013.

“The Impact Of Out-Of-Home Childcare Centers On Early Childhood Development” (with Gregory Veramendi). *Manuscript*, 2012.

“Longer School Days, Better Outcomes?” (with T. Pires), *Manuscript*, 2011.

## **HONORS AND AWARDS**

- Vecino Ilustre de Maipú 2020, Chile.
- Member of the Steering Committee of the NBER Children's program (2018-2020).
- Co-organizer of the Employment, Productivity and Skills Network of Latin America and the Caribbean, (Jan 2013- ).
- Editor in chief, *Economía*, the Journal of the Latin American and Caribbean Economic Association (2018-2021).

- Co-editor of *Economía*, the journal of the Latin American and Caribbean Economic Association (2016-2018).
- Co-director of The LACEA Labor Network (2014-).
- Member of the Executive Director Committee of the Latin American and Caribbean Economic Association (2015-2019).
- Associate Editor of *Economía*, the Journal of the Latin American and Caribbean Economic Association (2015).
- Selected among the top ten young economists of Latin America by the Latin Trade magazine (www.latintrade.com).
- Distinguished Alumni Achievement Award (Best Chilean Economist), 2013. Elected by the alumni of the University of Chile.
- Reid Dissertation Fellow, University of Chicago, 2006-2007.
- Esther and T.W. Schultz Endowment, Dissertation Fellowship, University of Chicago, 2005-2006.
- University of Chicago Graduate Fellowship, 2001-2005.
- Universidad de Chile Graduate Fellowship, 1999-2000.
- Universidad de Chile Undergraduate Fellowship 1998.
- Best Graduate Student, Department of Economics, Universidad de Chile 2000..
- Best BA Student, Department of Economics, Universidad de Chile 1996, 1997, 1998, 1999.

**COMPLETED Ph.D. STUDENTS (as member, chair or co-chair of committee; first job post-Ph.D. listed)**

Lisa Dettling (2013), Federal Reserve, DC.  
 Maria F. Prada (2014), Inter-American Development Bank.  
 Matija Jancec (2014), Amazon.  
 Leland Crane (2014), Federal Reserve of Chicago.  
 Miguel Sarzosa (2015), Purdue University. I  
 Giordano Palloni (2015), International Food Policy Research Institute, Washington D.C.  
 Ricardo Espinoza (2017), OECD, Paris.  
 Cristian Sanchez (2018), ITAM, Mexico.  
 Heath Wilson (2019), Consumer Financial Protection Bureau.  
 Fernando Saltiel (2019), McGill University, Canada (and Duke University postdoctoral fellow).  
 Cynthia Boruchowicz (Public Policy, 2020), Inter-American Development Bank.  
 Sai Luo (2020), Shanghai University of Finance and Economics (SUFEE).  
 Camila Galindo (2021), University of Chicago (postdoctoral fellow) and Universidad de los Andes.  
 Shanjukta Nath (2021), Stanford University (postdoctoral fellow).  
 Melissa Vega (AREC, 2021), Banco Central de Costa Rica.  
 Macarena Kutscher (2022), Inter-American Development Bank.  
 Juan Agustín Echeñique (Public Policy, 2022), New York University (postdoctoral fellow).  
 Rosa Castro Zaror (AREC, 2022), American Institute for Research, Washington D.C.  
 Elizabeth Mata (Public Policy, 2022), The World Bank.

Non University of Maryland Students:

John Jemus (2009, Northwestern), Uppsala University, Sweden.  
 Zhara Siddique (2009, Northwestern), IZA, Germany.  
 Carlos Madeira (2009, Northwestern), Central Bank of Chile.  
 Gregory Veramendi (2010, Northwestern), Aarhus University, Denmark.  
 Cristina Tealdi (2010, Northwestern), Lucca Institute of Economics, Italy.  
 Rodrigo Montero (2010, University of Chile), Universidad Diego Portales, Chile.

## **PUBLIC SERVICE AND OTHER PROFESSIONAL POSITIONS**

- President of the National Commission for Early Education of Chile (2019-)
- Member of the National Productivity Commission of Chile (2018-)
- Member of the Presidential Advisory Commission on the Pensions System of Chile (2014-2015)
- Member of the Presidential Commission for the design of the social program “Ingreso Ético Familiar” (2010-2012),
- Member of the Committee for the Evaluation of the Chilean training system (Labor Ministry 2011-2012),
- Member of the Committee for the Evaluation of the Casen surveys (Ministry of Planning, 2011),
- Member of the Committee for a new minimum wage (Ministry of Finance, 2010).

## **GRANTS**

- Research and Scholarship Award (summer 2014), University of Maryland SEED (~9k)
- NIH (2010-2014): The Effects of Early Interventions (2.4 million dollars) (with Jere Behrman).
- IADB: Improving Early Childhood Development in Latin America and the Caribbean (~60k)
- Northwestern University Research Grant: Are Public Child-Care Centers Effective in Reducing Poverty? (~5K)

## **OTHER WORK EXPERIENCE**

- NBER Research Faculty (2010-2016)
- Assistant Professor, Department of Economics, University of Maryland (2011-2014)
- Assistant Professor, Department of Economics, Northwestern University (2007-2011)
- Board of Directors, Fundación para la Superación de la Pobreza, Chile (2015-2018).
- Senior Economist, Centro de Estudios Públicos, Chile (2011-2014).
- Head of Labor Affairs, Ministry of Finance, Chile (March 2010-May 2011).
- Consultant for World Bank, IADB, OECD, Alas Foundation.

## **REFEREE**

Econometrica, American Economic Review, Journal of Political Economy, Quarterly Journal of Economics, Journal of Econometrics, The Economic Journal, Economic Inquiry, Journal of Econometrics, Review of Economics and Statistics, American Sociological Review, Journal of Labor Economics, Journal of Human Resources, Journal of Population Economics, Journal of Business and Economic Statistics, Sociology of Education, Journal of Human Capital, Journal of Applied Econometrics, Latin American Journal of Economics, among others.

## **COMPUTATIONAL SKILLS**

Proficient in LaTeX, FORTRAN, MPI, Stata, MATLAB.

## **PRESENTATIONS**

**2022 (scheduled):** LACEA (Lima), Central Bank of Colombia (Medellín), UDD (Chile), BCDE 2022 (La Paz, Bolivia).

**2021:** University of Illinois at Urbana-Champaign (September), Universidad Católica de Chile (December).



**2020:** University of Geneva (February), Georgia State University (March).

**2019:** Cambridge University (October), Paris School of Economics (October), Aix-Marseille School of Economics (October), Syracuse University (October), Central Bank of Mexico (September), OECD (Paris, France) (June), International Food Policy Research Institute (May), ITAM (Mexico) (May), Inter-American Dialogue (April), SOLE (Arlington, USA), Universidad de los Andes (Chile) (April), Inter-American Development Bank (January).

**2018:** ENADE (Santiago, Chile) (November), Lacea 2108 (Guayaquil, Ecuador) (November), George Mason University (October), American University (Washington, D.C.) (October), Philadelphia FED's Conference on Macro and Credit (October), Universidad Católica de Chile – Clapes-UC (August), Congreso de Innovación – Icares (July), Universidad de los Andes, Colombia (June), Wilson Center conference on “No Collar Economy” (May), 2018 NAFSA annual meeting – Latin American Forum (Philadelphia, May), Inter-american Development Bank (April), Tulane University (April), OECD (Paris, France) (April), Harvard Kennedy School (March), International Monetary Fund (February).

**2017:** 2017 ASSA Annual Meeting (Chicago, USA) (January), Western Economic Association International (Santiago, Chile) (January). London School of Economics (October), Universidad de Montevideo (Uruguay) (September), Pontificia Universidad Católica de Chile, School of Public Policy (August), Conference: “How are we going to work in the future?”, Icare (July), Interamerican Development Bank (July), Ministry of Education of Colombia (June), National Academy of Social Sciences of Chile (June), Pontifical Catholic University of Rio de Janeiro (May), SOLE (North Carolina, USA) (May).

**2016:** University of Western Ontario (April), Labor Network (Cartagena, Colombia) (April), Universidad de los Andes (Colombia) (June), Federal University of Juiz de Fora (Brazil) (July), American University of Beirut (Lebanon), Conference on the Socio-economic Ramifications of Conflict: A Life Cycle Approach (September), Pontificia Universidad Católica de Chile-Clapes-UC (September), George Washington University (October), Libertad y Desarrollo (Santiago, Chile, August), Lacea 2016 (Medellín) (November), University of Sao Paulo (Brazil) (November), Jobs and Development Conference, World Bank (Washington, D.C.) (November), OECD (December)

**2015.** *December:* Insper (Sao Paulo, Brazil), Brazilian Econometric Society Meeting (Florianopolis, Brazil), Princeton University, Pontificia Universidad Católica de Chile (Santiago, Chile). *November:* Conference on economic competitiveness, National Economic Prosecutor (Santiago, Chile); University of Wisconsin, Madison; The World Bank; University of Houston. *October:* OECD (Paris, France); Lacer-Lacea (Santa Cruz, Bolivia). *September:* Washington University in St. Louis: Bureau of Labor Statistics (Washington D.C.); Icare (Santiago, Chile); 2015 World Congress, Econometric Society (Montreal, Canada); University of Georgia. *August:* CAF (Buenos Aires, Argentina), Universidad Torcuato Di Tella (Buenos Aires Argentina). *July:* IADB (Washington, DC). *June:* Sole Meeting (Montreal, Canada). *May:* Universidad del Pacífico (Lima, Perú); Brown University. *April:* Carleton University (Ottawa, Canada); CIREQ Montreal Applied Economics Conference (Montreal, Canada). *February:* Inter-American Dialogue (Washington, DC).

**2014.** *November:* Lacea-Lames (Sao Paulo, Brazil); The World Bank; University of Pennsylvania; Johns Hopkins University. *October:* McMaster (Ontario, Canada). *September:* The Ohio State University. *August:* University of Notre Dame. *June:* Universidad del Pacífico and IADB (Lima,

Perú); OECD (Paris, Lima); Centre for European Economic Research (Mannheim, Germany); Network on Inequality and Poverty (Santiago, Chile); LACEA Labor Network Conference (Cartagena, Colombia). *April*: CIREQ Montreal Applied Economics Conference (Montreal, Canada). *March*: MPRC, University of Maryland; Stockholm School of Economics (Sweden), Uppsala University (Sweden). *February*: Brown University.

**2013.** *December*: OECD (Rio de Janeiro, Brazil) and Bureau of Labor Statistics. *November*: LACEA, Mexico City; New York Fed. *September*: University of Notre Dame. *October*: ICFES (Bogota, Colombia). *June*: Universidad de los Andes (Bogota, Colombia), OECD (Paris) and INSPER (Brazil), *May*: University of Maryland (conference on “Skills and Labor Market”). *March*: DPS (Bogota, Colombia). *January*. Bi-annual HD Forum, World Bank.

**2012.** *November*: LACEA, Lima (Peru); Toulouse School of Economics and Paris School of Economics, France; ENADE (Santiago, Chile). *October*: IZA, Germany. *September*: Duke University and IADB. *July*: NBER Summer Institute, Boston. *August*: New York Academy of Science. *June*: Conference on Applied Economics, University of Maryland. *May*. Aarhus University, Denmark; and IMT Institute for Advance Studies, Lucca, Italy.

**2011.** *December*: Brazilian Meeting of Economics, Foz de Iguazo. *November*: University of Michigan, Ann Arbor. *July*: University of Sao Paulo, Brazil. *January*. Conference on “Economic Perspectives on Some Important Dimensions of Early Childhood Development in Developing Countries”, Bellagio, Italy.

**2010.** *September*: SECHI09, Talca, Chile; LACEA, Medellin, Colombia (invited lecture); ALAP, La Havana, Cuba (plenary session). *April*: The World Bank, Washington, DC, La Paz, Bolivia; Northwestern University. *May*: IADB, Washington, DC. *February*: National Academy of Science, Washington, DC; University of Maryland.

## TEACHING EXPERIENCE

- Mathematics for Economists, AEA Summer Training Program, Howard University, Summer 2021, 2022.
- Advanced Labor Market (Econ 771) (PhD level), Department of Economics, University of Maryland. Fall 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2019, 2020, 2021.
- Labor Economics II (Econ 772) (PhD level), Department of Economics, University of Maryland. Fall 2018, Spring 2019.
- Inequality: Determinants and Policy Remedies (Econ 175), Department of Economics, University of Maryland. Spring 2021, Spring 2022.
- The Economics of Safety Nets (Econ 472), Department of Economics, University of Maryland. Spring 2017, Fall 2018, Spring 2020.
- Econometrics II (Econ 423), Department of Economics, University of Maryland. Fall 2018, 2019, 2020, 2021.
- Econometrics I (Econ 422), Department of Economics, University of Maryland. Fall 2012. Spring 2013, Fall 2013, Spring 2014, Fall 2015, Spring 2016, Spring 2017.
- Economics of the Labor Markets (Econ 440-1) (PhD level), Department of Economics, Northwestern University. Winter 2008. Fall 2009, Fall 2010.
- Advanced Econometrics I (Econ 381-1) and II (Econ 381-2), Department of Economics, Northwestern University. 2008 and 2009, 2010.
- The Economics of Education (Econ 341), Department of Economics, Northwestern University. Spring 2010.

- Advanced Micro-econometrics, Department of Economics, Catholic University of Chile. Summer 2008.
- Empirical Models with Unobserved Heterogeneity, Department of Industrial Engineering, University of Chile, Summer 2007.
- Econometrics B (Econ 211), Department of Economics, University of Chicago, Spring 2007.
- Econometrics A (Econ 210), Department of Economics, University of Chicago, Spring 2006.
- Elements of Economics Analysis 4 (Econ 203), Department of Economics, University of Chicago, Autumn 2004.
- Topics in Macroeconomics, Department of Economics, Universidad de Chile. Fall 2001
- Econometrics II, Department of Economics, Universidad de Chile. Fall 2001.
- Theory of Prices II, Department of Economics, Universidad de Chile. Spring and Fall 2000.
- Introduction to Economics, Department of Economics, Universidad de Chile. Fall 2000.