

Harry Anthony Patrinos

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EMPLOYMENT

University of Arkansas

*Head of the Department of Education Reform and
21st Century Endowed Chair in Education Policy* **2024 to present**

The mission of the Department of Education Reform is to advance education and economic development in Arkansas and nationwide by focusing on the improvement of K-12 schools. The Department of Education Reform is committed to producing and disseminating high-quality research that will inform policymakers, scholars, parents, teachers, administrators, and the public about policies and practices that could improve the performance of schools in Arkansas and nationwide.

The World Bank

Senior Adviser, Education. **2023 to 2024**

As Senior Adviser, supports Global Director of Education, provides quality assurance, and focuses on education finance.

Adviser, Office of the Chief Economist, Europe and Central Asia. **2022 to 2023**

Research on COVID-19 learning loss and recovery, returns to education, quality of education and labor market outcomes.

Practice Manager

Europe and Central Asia, Education Global Practice. **2018 to 2022**

East Asia and Pacific, Education Global Practice. **2014 to 2018**

Middle East and North Africa, Education Global Practice. **2014 to 2015**

Led operational teams based in Washington D.C. and three regions to provide strategic vision and direction, encourage and support innovation in both knowledge work and lending and manages staff to deliver results on the ground.

Sector Manager, Education, Human Development Network. **2012 to 2015**
 Led the work program charged with developing the concepts and strategies for education sector policy and for supporting country programs and professional development.

Georgetown University, Adjunct Professor **2013 to 2018**
 Taught graduate courses on evaluation and development, education in developing countries, and education and labor markets, in the Global Human Development department.

The World Bank

Lead Economist, Education, Human Development Network. **2012 to 2013**
 Cluster Leader of Equity and Inclusion team, Leading impact evaluation efforts in the education sector, Team Leader for Human Development Week 2013.

Lead Education Economist, Human Development Network. **2006 to 2012**
 Cluster Leader for Results Pillar, Task Team Leader of Benchmarking Education Systems for Results program (now SABER), leading economics of education thematic group; focus on quality of education, school-based management, impact evaluation, labor market outcomes, public-private partnerships, and indigenous peoples/vulnerable groups.

Senior Education Economist, Human Development Network. **2005 to 2006**
 Led economics of education team, focus on school-based management, impact evaluation, labor market outcomes, determinants of schooling, public-private partnerships, demand-side financing. Managing analytical work in Mexico and disseminating studies on indigenous peoples.

Senior Education Economist, Latin America and the Caribbean. **2002 to 2005**
 Delivered studies and projects in Argentina, Colombia and Mexico, regional study on indigenous peoples and human development. Analytical studies in Jordan, Kuwait, Cote d'Ivoire, and the World Bank's first ever report on lifelong learning and education for the knowledge economy.

Senior Education Economist, Human Development Network. **1999 to 2002**
 Led Task Force on Bridging the Digital Divide through Education. Managed *EdInvest*, the Education Investment Information Facility.

Education Economist, Human Development Network **1997 to 1999**

Human Resources Economist, Human Development Department **1995 to 1997**

Human Resources Economist, Education and Social Policy Department **1994 to 1995**

Consultant, Education and Social Policy Department **1993 to 1994**

Consultant, Latin America and Caribbean Technical Department **1992 to 1993**

Economic Council of Canada **1991 to 1992**

Economist. Initiated and completed a study of the changing wage structure in Canada in the 1980s, analyzing education-earnings differentials, the returns to schooling over time, and the rise in educational qualifications of the Canadian labor force.

Institute of Development Studies **1990 to 1991**

Researcher. Assisted in a major UNESCO-sponsored study by Christopher Colclough estimating the costs of achieving primary schooling for all children by the year 2000. The results of the study were published in *Educating All the Children: Strategies for Primary Schooling in the South*.

Department of Indian Affairs and Northern Development, Canada **1989 to 1990**

Research Assistant. Conducted two research studies: one on the labor market performance of Native Canadians living off-reserve, and one on Native business collaborations with non-Natives.

Norman Paterson School of International Affairs **1987 to 1989**

Assistant to groups of visiting scholars from Ghana; duties included research, writing, monitoring of certain journals and periodicals, and the preparation of bibliographies.

United Nations Association in Canada **1989 to 1990**

Intern. Preparation of a briefing paper on International Literacy Year (1990).

Gouvernement du Québec **1987**

Intern. Prepared a financial study on travel agencies in the province of Québec for the Office de la protection du consommateur, analyzing such aspects as size of firm, costs, revenues, and profitability.

EDUCATION**Institute of Development Studies, University of Sussex, Doctor of Philosophy, 1992**

Thesis Title: Education, Earnings and Inequality in Greece; Supervisor: Christopher Colclough

Norman Paterson School of International Affairs, Carleton University, Canada

MA International Affairs, 1989; Research Essay: Education and Income Inequality in Colombia

University of Ottawa, BA Honours Social Sciences (Economics) 1987

Graduated Magna Cum Laude

ACADEMIC AWARDS AND DISTINCTIONS

University of Athens Summer School Bursary, 1990
Ontario Graduate Scholarship, 1988-89, 1987-88
Epstein Scholar, 1987-88
Nabisco Brands Inc. Fellowship, 1987-88
American-Hellenic Educational Progressive Association Scholarship, 1987-88
Dean's Honour List, 1987, 1986, 1985
University of Ottawa Merit Scholarship, 1986-87, 1985-86

ACTIVITIES/ORGANIZATIONS

Research Fellow, IZA (Institute of Labor Economics)
Fellow, Global Labor Organization
Associate Editor, Empirical Research in Vocational Education and Training
Queen Rania Teacher Academy, Advisory Board
Global Schools Forum, Board of Trustees
EdHeroes Movement, Advisory Board
Luminos Fund, Advisory Board

EXTERNAL REFEREE

Applied Economics, Canadian Business Economics, Comparative Education Review, Economic Development and Cultural Change, Economics of Education Review, Education Economics, Educational Evaluation and Policy Analysis, European Review of Agricultural Economics, International Journal of Manpower, International Third World Studies Journal and Review, Journal of Comparative Economics, Journal of Development Economics, Journal of Development Studies, Journal of Population Economics, Social Science Quarterly, World Bank Economic Review, World Development

PHD THESIS COMMITTEES

Essays on Economics of Education and Social Policy, by Zurab Abramishvili, Charles University, 2017

A Multidimensional Perspective on Education in Developing Countries, by Michelle S. M. Momo, Maastricht University, 2021

Essays on the Economics of Education, by Gega Todua, Charles University, 2021

Essays in Labor and Development Economics: Albania, Senegal, and Ethiopia, by Jozefina Kalaj, George Washington University, 2022

Winner-Takes-All: Access to Education and Labor Market Returns in the Philippines, by Karol Mark Ramirez Yee, Cambridge University, 2022

Essays on Gender Economics and the Mexican Labor Market, by Cecilia Cuellar, Universidad Autónoma de Nuevo León, 2023

Ensayos Sobre Economía de la Educación con Aplicaciones para México, by Sara Nohemi Cortez Soto, Universidad Autónoma de Nuevo León, 2023

PUBLICATIONS

Journal Articles

“Human Capital and Climate Change” (with N. Angrist, K. Winseck, J. Graff Zivin), *The Review of Economics and Statistics* 2024.

“Global learning loss in student achievement: First estimates using comparable reading scores” (with M. Jakubowski, T. Gajderowicz), *Economics Letters* 232, 2023.

“Improving Learning in Low-and Lower-Middle-Income Countries” (with N Angrist, E Aurino, G Psacharopoulos, E Vegas, R Nordjo), *Journal of Benefit-Cost Analysis* 1-26, 2023.

“The longer students were out of school, the less they learned,” *Journal of School Choice* 17(2): 161-175, 2023.

“Learning loss and learning recovery,” *Decision* 49(2): 183-188, 2022.

“Mapping the Global Learning Crisis: Despite Record Enrollments in School Worldwide, Learning is Limited” (with N. Angrist et al.), *Education Next* 22(2): 50-57, 2022.

“A Data Set of Comparable Estimates of the Private Rate of Return to Schooling in the World, 1970-2014” (with C. Montenegro), *International Journal of Manpower* 44(6): 1248-1268, 2023.

“Returns to Education in the Russian Federation: Some New Estimates” (with E. Melianova, S. Parandekar, A. Volgin), *HSE Economic Journal*, 2021.

“Learning Loss during Covid-19: An Early Systematic Review” (with R. Donnelly), *Prospects*, 2021.

“Measuring Human Capital Using Global Learning Data” (with N. Angrist, S. Djankov, P. Koujianou Goldberg), *Nature* 592: 403-408, 2021.

“Comprehensive private schooling for low-income children: Experimental case-study evidence from Mexico” (with L. Santibañez, J. Saavedra, R. Kattan), *International Journal of Educational Development* 87, 2021.

“The COVID-19 Cost of School Closures in Earnings and Income across the World” (with G. Psacharopoulos, V. Collis, E. Vegas), *Comparative Education Review* 65(2): 271-287, 2021.

“The Role of Education in Mitigating Automation’s Effect on Wage Inequality” (with R.B. Kattan, K. Macdonald), *Labour* 35(1): 79-104, 2021.

“Economic Crises and Private Rates of Returns to University Education: A Conceptual Framework, Stylized Facts from Three Middle-Income Countries, and COVID-19 Implications” (with T. Fasih, M.N. Shafiq), *Current Issues in Comparative Education* 23(1): 3-14, 2021.

“Returns to Investment in Education: The Case of Turkey” (with A. Tansel and G. Psacharopoulos), *Applied Economics*, 2020.

“Returns to Education in Azerbaijan: Some New Estimates (with V. Garcia), *Problems of Economic Transition* 61(6): 411-425, 2019.

“Measuring aversion to debt: an experiment among student loan candidates” (with G. Caetano, M. Palacios) *Journal of Family and Economic Issues* 40(1): 117-131, 2019.

“Returns to investment in education: a decennial review of the global literature” (with G. Psacharopoulos) *Education Economics* 26(5): 445-458, 2018.

“The impact of an accountability intervention with diagnostic feedback: Evidence from Mexico” (with R. de Hoyos, V. Garcia-Moreno) *Economics of Education Review* 58(C): 123-140, 2017.

“Estimating the return to schooling using the Mincer equation,” *IZA World of Labor*, Institute for the Study of Labor (IZA): 278-278, 2016.

“The effects of delaying tracking in secondary school: evidence from the 1999 education reform in Poland” (with M. Jakubowski, E. Porta, J. Wiśniewski), *Education Economics* 24(6): 557-572, 2016.

“School autonomy and accountability in Thailand: Does the gap between policy intent and implementation matter?” (with G. Arcia, K. Macdonald), *Prospects* 45(4): 429-445, 2015.

“Exploring the Differential Impact of Public Interventions on Indigenous People” (with L.F. Lopez-Calva), *Journal of Human Development and Capabilities* 16(3): 452-467, 2015.

“Adult Literacy, Heterogeneity and Returns to Schooling in Chile” (with C. Sakellariou), *Education*

Economics 23(1): 122-136, 2015.

“The Screening Hypothesis and the Returns to Schooling in Argentina” (with M.P. Savanti), *Research in Applied Economics* 6(3): 28-42, 2014.

“Non-linearities in the Returns to Education in Mexico” (with V. Garcia-Moreno), *Empirical Economics Letters* 12(6): 593-597, 2013.

“Private education provision and public finance: The Netherlands.” *Education Economics* 21(4): 392-414, 2013.

“Vouching for the future.” *Handshake*, IFC Issue No. 8, 2012

“Empowering Parents to Improve Education: Evidence from Rural Mexico” (with P. Gertler and M. Rubio-Codina), *Journal of Development Economics* 99(1): 68-79, 2012.

“Quality of Schooling, Returns to Schooling and the 1981 Vouchers Reform in Chile” (with C. Sakellariou), *World Development* 39(12): 2245-2256, 2011.

“Using the Oaxaca-Blinder Decomposition Technique to Analyze Learning Outcomes changes over Time” (with F. Barrera, V. Garcia, E. Porta), *Regional & Sectoral Economic Studies* 11: 65-84, 2011.

“School Choice in The Netherlands.” *CESifo DICE Report* 9(2): 55-59, 20 11.

“The Changing Pattern of Wage Returns to Education and its Implications” (with C. Colclough and G. Kingdon), *Development Policy Review*, 28(6): 733-747, 2010.

“Social Networks among Indigenous Peoples in Mexico” (with E. Skoufias and T. Lunde). *Latin American Research Review* 45(2): 49-67, 2010.

“An Empirical Illustration of Positive Stigma towards Child Labor” (with N. Shafiq). *Economics Bulletin* 30(1): 799-807, 2010

“Costs and Benefits of Bilingual Education in Guatemala: A Partial Analysis” (with Eduardo Velez). *International Journal of Educational Development*, 29: 594-598, 2010.

“The Equity Impact of Public Finance of Private Education Provision in Cote d’Ivoire” (with Chris Sakellariou), *International Journal of Educational Development* 29: 350-356, 2010.

“Financing Lifelong Learning” (with Hessel Oosterbeek), *Empirical Research in Vocational Education and Training*, 2009, 1(1): 19-38.

“A Note on Schooling and Wage Inequality in the Public and Private Sector” (with C. Ridao-Cano

and C. Sakellariou), *Empirical Economics*, 2009, 37(2): 383-392.

“Educational Access and Inequality: Data on Indigenous Peoples in Mexico,” *Latin American Studies Association Forum*, 2008 34(3): 16-21.

“Estimating the Returns to Education in Argentina using Quantile Regression Analysis: 1992-2002” (with A. Fiszbein and P.I. Giovagnoli), *Económica* 2007 LIII(1-2): 53-72.

“Institutional Effects as Determinants of Learning Outcomes: Exploring State Variations in Mexico” (with V. Garcia Moreno and J. Alvarez), *Well-Being and Social Policy* 3(1): 47-68.

“Economic Volatility and Returns to Education in Venezuela: 1992-2002” (with C.N. Sakellariou), *Applied Economics* 2006.

“Schooling and Labor Market Impacts of a Natural Policy Experiment” (with C.N. Sakellariou), *Labour* 2005, 19(4): 705-719.

“Latin America's Indigenous Peoples” (with G. Hall), *Finance and Development*, 2005, 42(4). (Also published in French, Spanish and Russian.)

“The Role of the Private Sector in the Global Market for Education,” *Peking University Education Review* 2005, 3(2): 7-9 (in Chinese only).

“Returns to Investment in Education: A Further Update” (with G. Psacharopoulos), *Education Economics* 2004, 12(2): 111-134.

“Technology, Computers and Wages: Evidence from a Developing Economy” (with C.N. Sakellariou), *Brussels Economic Review (Cahiers Economiques de Bruxelles)* 2004, 47(3).

“Economic Analysis of World Bank Education Projects and Project Outcomes” (with A. Vawda, P. Mook and J.P. Gittinger), *International Journal of Educational Development* 2003, 23(6): 645-660.

“Education and earnings in a transition economy: the case of Vietnam” (with P.R. Mook and M. Venkataraman), *Economics of Education Review* 2003, 22(5): 449-546.

“Curious George: the enduring Psacharopoulos legacy on the economics of education in developing countries” (with E. Jimenez), *Economics of Education Review* 2003, 22(5): 451-454.

“Private Education in West Africa: The Technological Imperative” (with A.Y. Vawda), *Journal of Educational Planning and Administration* 17(3): 369-390 (2003).

“The Cost of Discrimination in Latin America,” *Studies in Comparative International Development*

2000, 35(2): 3-17.

“Labour Market Performance of Tertiary Education Graduates in Vietnam” (with C.N. Sakellariou), *Asian Economic Journal* 2000, 14(2): 147-165.

“Market Forces in Education,” *European Journal of Education*, 2000, 35(1): 61-80.

“Indigenous Language Skills and the Labor Market in a Developing Economy: Bolivia” (with B.R. Chiswick and M.E. Hurst), *Economic Development and Cultural Change*, 2000, 48(2): 349-368. (Reprinted in B.R. Chiswick and P.W. Miller, *The Economics of Language: International Analyses*, Routledge, 2007.)

“Producing Educational Materials in Local Languages: Costs from Guatemala and Senegal” (with A.Y. Vawda), *International Journal of Educational Development*, 1999, 19(4-5): 287-299.

“The Role of the Private Sector in Education in Vietnam: Evidence from the Vietnam Living Standards Survey” (with P. Glewwe), *World Development*, 1999, 27(5): 887-902.

“Technical and Vocational Education and Training in A Transition Economy: The Case of Vietnam” (with R. Goonesekere), *International Review of Comparative Public Policy*, 1998, 10: 223-242.

“Overeducation in Greece,” *International Review of Education*, 1997, 43(2-3): 203-223.

“Education and the Changing World Economy: The Imperative of Reform” (with N. Burnett), *Prospects*, 1997, 27(2): 223-230.

“Differences in Education and Earnings Across Ethnic Groups in Guatemala,” *Quarterly Review of Economics and Finance*, 1997, 37(4): 809-821.

“Family Size, Schooling and Child Labor in Peru - An Empirical Analysis” (with G. Psacharopoulos), *Journal of Population Economics*, 1997, 10(4): 387-405.

“Response to Critiques of Priorities and Strategies for Education: A World Bank Review” (with N. Burnett), *International Journal of Educational Development*, 1996, 16(2): 273-276.

“Residual Wage Differences by Sex: Bounding the Estimates” (with C.N. Sakellariou), *Education Economics*, 1996, 4(3): 231-254.

“Non-Linearities in the Returns to Education: Sheepskin Effects or Threshold Levels of Human Capital?” *Applied Economics Letters*, 1996, 3: 171-173.

“Socioeconomic and Ethnic Determinants of Age-grade Distortion in Bolivian and Guatemalan

- Primary Schools” (with Psacharopoulos), *Int’l Journal of Educational Development* 1996, 16: 3-14.
- “Gender Earnings Differentials in the Engineering Profession in Greece,” *Higher Education*, 1995, 30: 341-351.
- “Labor Market Discrimination against Indigenous People in Peru” (with D.J. MacIsaac), *Journal of Development Studies*, 1995, 32(2): 218-33.
- “Setting Investment Priorities in Education” (with N. Burnett and K. Marble), *Finance and Development*, 1995, 32(4): 42-5.
- “Engineers and Economic Development in Greece” (with M. Lavoie), *International Journal of Manpower*, 1995, 16(10): 39-56.
- “The Private Origins of Public Higher Education in Greece,” *Journal of Modern Greek Studies*, 1995, 13(2): 179-200.
- “Socioeconomic Background, Schooling, Experience, Ability and Monetary Rewards in Greece,” *Economics of Education Review*, 1995, 14(1): 85-91.
- “Reducing Poverty in Latin America among Indigenous People: An Enhanced Role for Education” (with G. Psacharopoulos), *Prospects*, 1995, 25(1): 121-32.
- “Education and Earnings in Paraguay” (with E. Velez and G. Psacharopoulos), *Economics of Education Review*, 1994, 13(4): 321-27.
- “Language, Education and Earnings in Paraguay” (with E. Velez and G. Psacharopoulos), *Journal of Developing Areas*, 1994, 29(1): 57-68.
- “Educational Performance and Child Labor in Paraguay” (with G. Psacharopoulos), *International Journal of Educational Development*, 14(3): 47-60.
- “Poverty and Indigenous People in Mexico” (with A. Panagides), *Akwe:kon* (A Journal of Indigenous Issues), 1994, 11(2): 71-77.
- “Gender, Ethnicity and Educational Attainment: The Case of Indigenous Women in Latin America” (with G. Psacharopoulos), *Indian Journal of Quantitative Economics*, 1994, 9(2): 1-23.
- “Indigenous People and Poverty in Latin America” (with G. Psacharopoulos), *Finance and Development*, 1994, 31(1): 41-43.
- “The Cost of Being Indigenous in Bolivia: An Empirical Analysis of Educational Attainments and

Outcomes” (with G. Psacharopoulos), *Bulletin of Latin American Research*, 1993, 12(3): 293-309.

“Technical/Vocational Education and Earnings in Latin America” (with G. Psacharopoulos), *The Vocational Aspect of Education*, 1993, 45(3): 229-38.

“Gender Discrimination in the Greek Labor Market” (with H. Lambropoulos), *Education Economics*, 1993, 1(2): 153-64.

“North American Indians in the Canadian Labor Market: A Decomposition of Wage Differentials” (with C.N. Sakellariou), *Economics of Education Review*, 1992, 11(3): 257-266.

“The Equity Aspects of ‘Free’ Higher Education in Greece,” *Comparative Education Review*, 1992, 36(3): 298-308.

“The Privatization of Higher Education in Colombia,” *Higher Education*, 1990, 20(2): 161-173.

Editor of Special Issues

Well-Being and Social Policy 3(1): 1-151, Special Issue on Quality of Education, Edited by Harry Anthony Patrinos (English and Spanish)

Well-Being and Social Policy 3(2): 1-106, Special Issue on Quality of Education II, Edited by Harry Anthony Patrinos (English and Spanish)

Economics of Education Review, Volume 22, Issue 5, pages 449-546 (October 2003), Special Issue in Honor of George Psacharopoulos, Edited by H. Patrinos and E. Jimenez

Books

Education Finance Watch (with Bend, Hu, Pan, Poulsen, Rivera-Olvera, Tanaka, Antoninis, Murakami, Benveniste, Saavedra, Dundar), Washington, D.C.: World Bank Group, 2023.

Learning Recovery after COVID-19 in Europe and Central Asia: Policy and Practice (with G. Arcia, R. de Hoyos, A. Sava, T. Shmis, J. Teixeira), Washington, D.C.: World Bank Group, 2021.

Response Note to COVID-19 in Europe and Central Asia: Policy and Practice Recommendations (with T. Shmis, A. Sava, J. Teixeira), Washington, D.C.: World Bank Group, 2020.

Learning in the Face of Adversity: The UNRWA Education Program for Palestine Refugees (with H. Abdul-Hamid, J. Reyes, J. Kelcey, A. Diaz Varela), World Bank Studies (2015).

Indigenous Peoples, Poverty and Development (with G. Hall). Cambridge University Press 2012.

Making Schools Work: New Evidence on Accountability Reforms (with B. Bruns and D. Filmer). Washington DC: World Bank (2011).

The Role and Impact of Public-Private Partnerships in Education (with F. Barrera-Osorio and J. Guaqueta). Washington, DC: World Bank (2009).

Emerging Evidence on Vouchers and Faith-Based Providers in Education (ed. with F. Barrera-Osorio and Q. Wodon). Washington, DC: World Bank (2009).

Decentralized Decision-Making in Schools: The Theory and Evidence on School-Based Management (with F. Barrera, T. Fasih and L. Santibanez). Washington, DC: World Bank (2009).

Mobilizing the Private Sector for Public Education: A View from the Trenches (ed. with S. Sosale). (Directions in Development: Human Development). Washington, DC: World Bank (2007).

Mejora de la Calidad Educativa en Mexico: Posiciones y Propuestas (ed. with F. Miranda Lopez and A. Lopez y Mota). Mexico: CMIE (2007).

Demand-Side Financing in Education. (Education Policy Series, International Academy of Education/International Institute for Educational Planning, UNESCO) Paris: UNESCO (2007).

Indigenous Peoples, Poverty and Human Development in Latin America (with G. Hall). London: Palgrave-Macmillan (2006).

Pueblos Indígenas, Pobreza y Desarrollo Humano en América Latina: 1994-2004 (ed. with G. Hall). Washington, DC, and Bogota: Banco Mundial and Mayol Ediciones (2006).

Lifelong learning in the global knowledge economy. World Bank (2003).

Policy Analysis of Child Labor: A Comparative Study (with C. Grootaert). New York: St. Martin's Press, 1999.

The Role of the Private Sector in Education in Vietnam (with Paul Glewwe). Living Standards Measurement Study Working Paper No. 132: Washington, DC: World Bank, March 1998.

Decentralization of Education: Demand-Side Financing (with D.L. Ariasingam). Directions in Development. Washington, DC: World Bank, 1997.

Indigenous People and Poverty in Latin America: An Empirical Analysis (ed. with George Psacharopoulos). Washington, DC: World Bank, 1994; and 1997 by Avebury.

A Lot to Learn: Education and Training in Canada (A statement by the Economic Council of Canada). Ottawa, 1992.

Chapters in Books

“The Learning Challenge in the Twenty-first Century” in *Media, Technology and Education in a Post-Truth Society*. Emerald Publishing Limited, 2021.

“The changing pattern of returns to education: What impact will this have on earnings inequality?” in *Reforming Education and Challenging Inequalities in Southern Contexts*, pp. 19-36, Routledge, 2021.

“School-based management and learning outcomes: Experimental evidence” (with V. Garcia-Moreno, P. Gertler), in *Community Participation with Schools in Developing Countries*, pp. 211-229. Routledge, 2020.

“Returns to education in developing countries” (with G. Psacharopoulos), *The Economics of Education* (pp. 53-64). Academic Press, 2020.

“Education: The Income and Equity Loss of not Having a Faster Rate of Human Capital Accumulation (with G. Psacharopoulos)” in B. Lomborg, ed., *How Much Have Global Problems Cost the World* (Cambridge University Press, 2013).

“The Hidden Cost of Corruption: Teacher Absenteeism and Loss in Schools,” in Transparency International, eds., *Global Corruption Report: Education* (Routledge, 2013).

“Human Capital Development and Economic Growth in Malaysia and Thailand; Stuck in the Middle?” (with E. Jimenez and V. Nguyen), in W. Dobson, ed., *Human Capital Formation and*

Economic Growth in Asia and the Pacific. Routledge, 2013.

“The Role of Education in Employment and Economic Sustainability” (with K. Krishna), in J. Kirton and M. Koch, eds., *The UK Summit: The G8 at Lough Erne 2013*. Toronto: Newsdesk Media Group and the G8 Research Group, 2013.

“The Contribution of the Private Sector to Education,” in J. Kirton and M. Koch, eds., *The G8 Camp David Summit 2012: The Road to Recovery*. Toronto: Newsdesk Media Group and the G8 Research Group, 2012.

“The Role and Impact of Public Private Partnerships in Education” (with F. Barrera and J. Guaqueta), in S. L. Robertson, K. Mundy, A. Verger, F. Menash, eds., *Public Private Partnerships in Education: New Actors and Modes of Governance in a Globalizing World*. Cheltenham, UK: Edward Elgar, 2012.

“Invertir en la Educación: Un Vistazo a Los Beneficios en México.” In E. Sepúlveda Villareal, ed. *Temas Económicos y Sociales de Actualidad en México*. México: Museo Interactivo de Economía, 2010.

“Returns to Education in Developing Countries” (with G. Psacharopoulos). In Brewer, D. J. & McEwan, P. J., ed. *Economics of Education*. Amsterdam: Elsevier, 2010.

“Returns to Education in Developing Countries” (with G. Psacharopoulos). In Baker, E., McGaw, B., & Peterson, P., ed. *International Encyclopedia of Education*. Amsterdam: Elsevier, 2010.

“The Benefits and Costs of Alternative Strategies to Improve Educational Outcomes” (with P.F. Orazem, P. Glewwe). In *Global Crises, Global Solutions* (Second Edition), edited by Bjorn Lomborg, Cambridge: Cambridge University Press, 2009.

“An International Perspective on School Vouchers” (with F. Barrera-Osorio). In *Handbook of Research on School Choice*, edited by M. Berends, M.G. Springer, D. Ballou and H.J. Walberg, New York: Routledge, 2009.

“Returns to Education in Developing Countries” (with G. Psacharopoulos). In *The International Encyclopedia of Education*, 3rd Edition, edited by Barry McGaw, Penelope Peterson and Eva Baker, Elsevier (in press).

“Education Contracting: Scope of Future Research.” In R. Charkrabarti and P.E. Peterson, eds., 2009, *School Choice International: Exploring Public-Private Partnerships*. Cambridge, MA: MIT Press.

“Can Cost-Benefit Analysis Guide Education Policy in Developing Countries?” (with Emmanuel Jimenez). In R.J. Brent, ed., 2009, *Handbook on Research in Cost-Benefit Analysis*. Cheltenham,

UK and Northampton, MA: Edward Elgar Publishing Limited.

“Education and Human Capital” (with George Psacharopoulos). In A.K. Dutt and J. Ros, eds., 2008, *International Handbook of Development Economics*. Edward Elgar.

“Returns to Education: The Gender Perspective.” In M. Tembon and L. Fort, eds., 2008, *Girls’ Education in the 21st Century: Gender Equality, Empowerment, and Economic Growth*. Washington, DC: World Bank.

“Poverty: Latin America” (with H.M. Layton), in P.N. Stearns, ed., 2008, *The Oxford Encyclopedia of the Modern World*. New York and Oxford: Oxford University Press, volume 6: 237-239.

“Living Conditions of Children,” in *Solutions for the World’s Biggest Problems: Costs and Benefits*, B. Lomborg, ed., 2007, Cambridge University Press, pages 358-375.

“Language Skills and the Labor Market in a Developing Economy: Bolivia” (with B.R. Chiswick and M.E. Hurst), in B.R. Chiswick and P.W. Miller, eds., 2007, *The Economics of Language: International Analyses*. Routledge.

“Maximizing the Performance of Education Systems: The Case of Teacher Absenteeism” (with R. Kagia). In J.E. Campos and S. Pradhan, eds., 2007, *The Many Faces of Corruption: Tracking Vulnerabilities at the Sector Level*. Washington DC: World Bank.

“Empoderando a los padres para mejorar la educación en el México rural” (with P. Gertler and M. Rubio). In CONAFE, Efectos del impulse à la participación de los padres de familia en la escuela. Serie Política Compensatoria en Educación: Evaluación y Análisis. México: CONAFE, 2006.

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