

# Eric A. Hanushek

Paul and Jean Hanna Senior Fellow  
Stanford University

## Contact

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## Education

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1965	B.S.	(Distinguished Graduate) U.S. Air Force Academy
1968	Ph.D.	(Economics) Massachusetts Institute of Technology Thesis: "The Education of Negroes and Whites"

## Learned Societies

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American Economic Association  
American Education Finance Association  
(Board of Directors, 2006-2009)  
Association for Public Policy Analysis and Management  
(Policy Council, 1981-85; vice president, 1986-87; president, 1988-89)  
Econometric Society  
Society of Labor Economists  
(Fellow, 2006- )  
American Educational Research Association  
(Fellow, 2008- )  
International Institute of Public Finance

## Honors

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- Yidan Prize for Education Research, 2021
- Fellow, International Academy of Education, 1997  
(Board of Directors, 2002- 2008)
- Fellow, Society of Labor Economists, 2006
- Member, National Academy of Education, 2006
- Fellow, American Educational Research Association, 2008
- Fordham Prize for Excellence in Education (distinguished scholarship), 2004

## Military Experience

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1965-74 US Air Force (Captain)

## Academic Experience

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2000- Paul and Jean Hanna Senior Fellow, Hoover Institution, Stanford University

- Professor (by courtesy) of Education (2001- )
- Senior Fellow (by courtesy), Stanford Center for International Development [SCID], Stanford Institute for Economic Policy Research [SIEPR], (2003-2023)
- Professor (by courtesy) of Economics (2004-2007)

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2023- Founder, [Africa Fellows in Education Program](#), [Global Education Analytics Institute](#)

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2020- Member, Council of Luminaries, Yidan Foundation

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2019- Chairman, Hoover Education Success Initiative, Stanford University

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2019- Co-Director, International Comparative Educational Policy Laboratory, ifo Institute

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2003-2024 Chairman, Executive Board, Texas Schools Project, University of Texas at Dallas

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2000-2024 Senior Research Fellow, University of Texas at Dallas

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1995- Research Associate, National Bureau of Economic Research

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2006- Research Professor, Ifo Institute for Economic Research (University of Munich)

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2013- Research Fellow, IZA Institute of Labor Economics

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2008- Member, Management Team, Center for Analysis of Longitudinal Data in Education Research (CALDER)

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2008- Area coordinator, Economics of Education, CESifo Research Network

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2017-2018 John H. Makin Visiting Scholar, American Enterprise Institute (AEI)

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2013-2016 Member, Council of Academic Advisers, American Enterprise Institute

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1999-2015 Member, Koret Task Force on K-12 Education, Hoover Institution, Stanford University

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2006-2008	Member, Scientific Advisory Council, Ifo Institute for Economic Research
1978-2000	Professor of Economics and Political Science, University of Rochester <ul style="list-style-type: none"> <li>• Founding Director, W. Allen Wallis Institute of Political Economy (1991-99)</li> <li>• Professor of Public Policy (1992-2000)</li> <li>• Senior Research Associate, Rochester Center for Economic Research (1984-2000; Director, 1994-99)</li> <li>• Chairman, Department of Economics (1982-87; 1988-90; 1991-93)</li> </ul>
1999-2000	Distinguished Visiting Fellow, Hoover Institution, Stanford University
1994	Visiting Fellow, Australian National University
1975-1978	Associate Professor, Department of Economics and Institution for Social and Policy Studies, Yale University
1974	Lecturer, Virginia Polytechnic Institute (Reston Campus)
1968-1973	Associate Professor of Economics, U.S. Air Force Academy (Assistant Professor, 1969-71; Instructor, 1968-69)
1970-1971	Research Associate, J.F. Kennedy School of Government, Harvard University

## Government Experience

2019-2023	Member, National Assessment Governing Board
2011-2013	Commissioner, <b>Equity and Excellence Commission</b> , U.S. Department of Education
2004-2010	Member, Board of Directors, National Board for Education Sciences Chair, 2008- 2010
2008-2010	Member, Council of Economic Advisors, California
2007	Member, Governor's Commission for a College Ready Texas, Texas
2006	Chair, NCLB Growth Model Pilot Peer Review, U.S. Department of Education
2005-2008	Member, <b>Governor's Committee on Education Excellence</b> , California

2002-2006	Member, Independent Review Panel, National Assessment of Title I, U.S. Department of Education
2001-2005	Member, NCES Finance Technical Review Committee, U.S. Department of Education
2002	Member, Advisory Council on Education Statistics, U.S. Department of Education
1994-1998	Member, Board of Economic Advisors, New York State Assembly
1994-1995	Member, Technical Panel on Trends and Issues in Retirement Savings, Advisory Council on Social Security
1987-1995	Consultant, U.S. Department of Education
1986-1989	Consultant, U.S. Commission on Civil Rights
1987-1989	Chairman, Technical Advisory Panel, Congressional Budget Office
1985-1987	Member, Panel of Economic Advisers, Congressional Budget Office
1983-1985	Deputy Director, Congressional Budget Office
1974	Systems Analyst, Military Airlift Command, U.S. Air Force
1973-1974	Senior Economist, Cost of Living Council
1971-1972	Senior Staff Economist, Council of Economic Advisers

## Other Experience

2023	President, <a href="#">Global Education Analytics Institute</a>
2015-	Global Economic Adviser, LearnCapital
2011-2015	Director, CollegeSpring (formerly SEE College Prep)
2010-2015	Member, Education Reform Advisory Group, George W. Bush Institute

2010-2015	Director, GreatSchools
2007-2015	Member, Review Board for Broad Prize for Urban Education
2007	Member, <b>Committee on Social Science Research Evidence on Racial Diversity in Schools</b> , National Academy of Education
2000-2001	Member, <b>Committee on Scientific Principles of Education Research</b> , National Academy of Sciences/National Research Council
2000	Member, Historic Preservation Commission, Town of Brighton, NY
1998-2001	Member, <b>Panel on Data and Methods for Measuring the Effects of Changes in Social Welfare Programs</b> , National Academy of Sciences/National Research Council
1992-1998	Member, Committee on National Statistics, National Academy of Sciences/National Research Council
1993-1997	Chairman, <b>Panel on Retirement Income Modeling</b> , National Academy of Sciences/National Research Council
1990-1994	Chairman, Panel on the Economics of Educational Reform (PEER)
1984-1995	Consultant, The World Bank
1992	Chairman, Blue Ribbon Commission on Monroe County Finances, Monroe County, NY
1988-1991	Chairman, <b>Panel to Evaluate Microsimulation Models for Social Welfare Programs</b> , National Academy of Sciences/National Research Council
1977-1983	Consultant, Mathematica Policy Research
1976-1978	Member, Mayor's Task Force on Education, New Haven, CT
1975-1977	Senior Research Associate, Institute for Demographic and Economic Studies
1975-1977	Consultant, Abt Associates
1972-1974	Member, RFF-Academy for Contemporary Problems, Metropolitan Governance Research Committee

1969- Consultant, The Rand Corporation  
1973

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## Invited Lectures

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*Goldsmith Lecture*, Australian National University, 2023

*IIMA-SRK Annual Lecture*, Indian Institute of Management Ahmedabad, 2020

*Leaders and Luminaries Lecture*, University of Texas at Dallas, 2019

*City University Distinguished Lecture*, City University of Hong Kong, 2018

*Spring Distinguished Speaker*, Crane Center, The Ohio State University, 2016

*Vilfredo Pareto Lecture*, Collegio Carlo Alberto, 2013

*Harris Lecture*, Clemson University, 2013

*Waino Pihl Lecture*, Wayne State University, 2012

*Distinguished Scholar Lecture*, Martin School of Public Policy, University of Kentucky, 2010

*Giblin Lecture*, University of Tasmania, 2009

*Hannah Lecture*, Michigan State University, 2009

*Gilbert Memorial Lecture*, University of Rochester, 2008

*Spencer Foundation Distinguished Lecture*, Association for Public Policy Analysis and Management, 2005

*Sweat Lecture*, Georgia State University, 2005

*Birger Lecture*, Tufts University, 2005

*Lee Hysan Lecture*, Chinese University of Hong Kong, 2004

*Askwith Lecture*, Harvard University, 2003

*Reilly Lecture*, Louisiana State University, 2002

*Mullen Lecture*, University of Maryland, Baltimore County, 1999

*Saks Memorial Lecture*, Vanderbilt University, 1996

## Editorial Activities

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2024 Editorial Board, AEFPP Live Handbook

2016- Editorial Board, *Chinese Economics of Education Review*

2015-	Editorial Advisory Board, <i>Journal of Professional Capital and Community</i>
2013-	Co-Editor, <i>CESifo Economic Studies</i>
2007-	Associate Editor, <i>Journal of Human Capital</i>
2005-	Editorial Board, <i>Education Finance and Policy</i>
2000-	Editorial Board, <i>Education Next</i>
1982-	Editorial Board, <i>Economics of Education Review</i>
1978- 2015	Advisory Editor, <i>Social Science Research</i>
2004- 2010	Co-editor, <i>Education Policy Series</i> , International Academy of Education/International Institute for Educational Planning, UNESCO
2002- 2008	Editorial Board, <i>Fundamentals of Educational Planning</i> , UNESCO
2003- 2007	Associate Editor, <i>Economic Bulletin</i>
1995- 2002	Associate Editor, <i>Review of Economics and Statistics</i>
1997- 2001	Editorial Board, <i>Educational Evaluation and Policy Analysis</i>
1994- 2001	Editorial Board, <i>Journal of Policy Analysis and Management</i>
1994- 1996	Editorial Board, <i>Socio-Economic Planning Sciences</i>
1991- 1997	Associate Editor, <i>Regional Science and Urban Economics</i>
1990- 1995	Editorial Board, <i>Journal of Economic Education</i>
1992- 1995	Advisory Board, <i>American Journal of Education</i>
1990- 1994	Co-editor, <i>Journal of Human Resources</i>
1987- 1989	Associate Editor, <i>Evaluation Review</i>

# Publications

## Books and Monographs

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[Handbook of the Economics of Education, Volume 7.](#) (co-editor with Stephen J. Machin and Ludger Woessmann). Amsterdam: North Holland. 2023.

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[Handbook of the Economics of Education, Volume 6.](#) (co-editor with Stephen J. Machin and Ludger Woessmann). Amsterdam: North Holland. 2023.

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[Handbook of the Economics of Education, Volume 5.](#) (co-editor with Stephen J. Machin and Ludger Woessmann). Amsterdam: North Holland. 2016.

---

[Universal Basic Skills: What countries stand to gain.](#) (with Ludger Woessmann). Paris: OECD Publishing, 110 pages. 2015.

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[The Knowledge Capital of Nations: Education and the Economics of Growth.](#) (with Ludger Woessmann)., Cambridge, MA: MIT Press, 262 pages. 2015.

---

[Endangering Prosperity: A Global View of the American School.](#) (with Paul E. Peterson and Ludger Woessmann). Washington, DC: Brookings Press, 147 pages. 2013.

---

[Handbook of the Economics of Education, Volume 4.](#) (co-editor with Stephen J. Machin and Ludger Woessmann). Amsterdam: North Holland, 708 pages. 2011.

---

[Handbook of the Economics of Education, Volume 3.](#) (co-editor with Stephen J. Machin and Ludger Woessmann). Amsterdam: North Holland, 616 pages. 2010.

---

[Schoolhouses, Courthouses, and Statehouses: Solving the Funding-Achievement Puzzle in America's Public Schools.](#) (with Alfred A. Lindseth). Princeton University Press, 432 pages. 2009.

---

[Handbook of the Economics of Education, Volume 2.](#) (co-editor with Finis Welch). Amsterdam: North Holland, 742 pages. 2006.

---

[Handbook of the Economics of Education, Volume 1.](#) (co-editor with Finis Welch). Amsterdam: North Holland, 700 pages. 2006.

---

[Courting Failure: How School Finance Lawsuits Exploit Judges' Good Intentions and Harm our Children.](#) (editor). Stanford: Education Next Books, 366 pages. 2006.



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[Institutional Models in Education: Legal Framework and Methodological Aspects for a New Approach to the Problem of School Governance](#). (co-editor with Enrico Gori, Daniele Vidoni and Charles Glenn). Nijmegen, Netherlands: Wolf Legal Publishers, 243 pages. 2006.

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[The Economics of Schooling and School Quality - Volume II: Efficiency, Competition, and Policy](#). (editor). London: Edward Elgar Publishing Ltd.. 2003.

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[The Economics of Schooling and School Quality - Volume I: Labor Markets, Distribution, and Growth](#). (editor). London: Edward Elgar Publishing Ltd., 976 pages. 2003.

---

[Assessing Policies for Retirement Income: Needs for Data, Research, and Models](#). (co-editor with Constance F. Citro). Washington, DC: National Academy Press, 256 pages. 1997.

---

[Improving America's Schools: The Role of Incentives](#). (co-editor with Dale W. Jorgenson). Washington, DC: National Academy Press, 280 pages. 1996.

---

[Assessing Knowledge of Retirement Behavior](#). (co-editor with Nancy L. Maritato). Washington, DC: National Academy Press, 288 pages. 1996.

---

[Modern Political Economy: Old Topics, New Directions](#). (co-editor with Jeffrey S. Banks). New York: Cambridge University Press, 283 pages. 1995.

---

[Making Schools Work: Improving Performance and Controlling Costs](#) Washington, DC: The Brookings Institution, 200 pages. 1994.

---

[Educação Rural: Lições do Edurural](#). (with João Batista F. Gomes Neto, Ralph W. Harbison, and Raimundo Hélio Leite) . São Paulo: Editora da Universidade de São Paulo, 236 pages. 1994.

---

[Educational Performance of the Poor: Lessons from Rural Northeast Brazil](#). (with Ralph W. Harbison). New York: Oxford University Press, 362 pages. 1992.

---

[Improving Information for Social Policy Decisions: The Uses of Microsimulation Modeling - Volume II: Technical Papers](#). (co-editor with Constance F. Citro) . Washington, DC: National Academy Press, 368 pages. 1991.

---

[Improving Information for Social Policy Decisions: The Uses of Microsimulation Modeling - Volume I: Review and Recommendations](#). (co-editor with Constance F. Citro).

Washington, DC: National Academy Press, 360 pages. 1991.

---

[Statistical Methods for Social Scientists](#). (with John E. Jackson). New York: Academic Press, 374 pages. 1977.

---

[Education and Race: An Analysis of the Educational Production Process](#) Lexington, MA: D.C. Heath, 176 pages. 1972.

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## Articles

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[Patience and Subnational Differences in Human Capital: Regional Analysis with Facebook Interests](#). (with Lavinia Kinne, Pietro Sancassani, and Ludger Woessmann). *Economic Journal*. forthcoming 2025.

---

[School Finance and the Courts: Equity and Adequacy](#). In Douglas N. Harris (ed.). *AEFP Live Handbook*. March 2025.

---

[Age and Cognitive Skills: Use It or Lose It](#). (with Lavinia Kinne, Frauke Witthöft, and Ludger Woessmann). *Science Advances*. March 2025.

---

[The Power of Performance Pay: Smarter teacher retention and accelerated student achievement in Dallas](#). (with Minh Nguyen, Ben Ost, and Steven Rivkin). *Education Next*. February 2025.

---

[United States: The Size and Variation of the Pandemic Learning Losses](#). (with Bradley Strauss). In Nuno Crato and Harry Patrinos (ed.). *Improving National Education Systems After COVID-19: Moving Forward After PIRLS 2021 and PISA 2022*, Springer, 189-203. October 2024.

---

[Employer Learning and the Dynamics of Returns to Universities: Evidence from Chinese Elite Education during University Expansion](#). (with Sylvie Démurger and Lei Zhang). *Economic Development and Cultural Change*, 73(1), 339-379. October 2024.

---

[Toward a Potential Grand Bargain for the Nation](#). (with G. William Hoagland, Douglas Holtz-Eakin, Glenn Hubbard, Maya MacGuineas, Richard V. Reeves, Robert D. Reischauer, Gerard Robinson, Isabele V. Sawhill, Diane Schanzenbach, Richard Schmalensee, Michael R. Strain, and C. Eugene Steuerle). *Grand Bargain Committee*. July 2024.

---

[Contexts of Convenience: Generalizing from Published Evaluations of School Finance Policies](#). (with Danielle V. Handel). *Evaluation Review*, 48(3), 461–494. June 2024.

---

[Testing](#). (with Annika B. Bergbauer and Ludger Woessmann). *Journal of Human Resources*, 59(2), 349-388. March 2024.

---

[A Global Perspective on US Learning Losses](#). (with Bradley Strauss). Hoover Education Success Initiative. February 2024.

---

[Global Universal Basic Skills: Current Deficits and Implications for World Development](#). (with Sarah Gust and Ludger Woessmann). *Journal of Development Economics*, 166, 103205. January 2024.

---

[Performance Information and Personnel Decisions in the Public Sector: The Case of School Principals](#). (with Julie Berry Cullen, Gregory Phelan, and Steven G. Rivkin). *Journal of Human Resources*, 59(1). January 2024.

---

[Some Evolving Issues in K–12 Education](#) . In Michael J. Boskin (ed.). *American Federalism Today: Perspectives on Political and Economic Governance*, 179-202. January 2024.

---

[Fixing Schools Through Finance](#). In Stephen L. Bowen and Margaret E. Raymond (ed.). *A Nation at Risk +40*, Stanford, CA: Hoover Institution, 161-179. December 2023.

---

[Incidence and Outcomes of School Finance Litigation: 1968-2021](#). (with Matthew Joyce-Wirtz). *Public Finance Review*, 56(6), 741-781. November 2023.

---

[Academic mobility in U.S. public schools: Evidence from nearly 3 million students](#). (with Wes Austin, David Figlio, and others). *Journal of Public Economics*, 228, 105016. November 2023.

---

[U.S. School Finance: Resources and Outcomes](#). (with Danielle Victoria Handel) in Eric A. Hanushek, Stephen Machin and Ludger Woessmann (ed.). *Handbook of the Economics of Education*, Vol. 7, Amsterdam: North Holland, 143-226. August 2023.

---

[The Economic Cost of the Pandemic: State by State](#). Hoover Education Success Initiative. January 2023.

---

[Long-run Trends in the U.S. SES-Achievement Gap](#). (with Paul E. Peterson, Laura M. Talpey, and Ludger Woessmann). *Education Finance and Policy*, 17(4), 608-640. October 2022.

---

[Patience, Risk-Taking, and Human Capital Investment across Countries](#). (with Lavinia

Kinne, Philipp Lergetporer, and Ludger Woessmann). *Economic Journal*, 132 (646), pp. 2290-2307. May 2022.

---

[The Basic Skills Gap](#). (with Ludger Woessmann). *Finance & Development*, 59(2), pp. 50-53. April 2022.

---

[Residential Location and Education in the United States](#). (with Kuzey Yilmaz). In Charles K.Y. Leung (ed.). *Handbook of Real Estate and Macroeconomics*, Edward Elgar Publishing, pp. 106-136. April 2022.

---

[The Political Economy of ILSAs in Education: The Role of Knowledge Capital in Economic Growth](#). (with Ludger Woessmann). *International Handbook of Comparative Large-Scale Studies in Education*, Springer . November 2021.

---

[Does the World Change for Teachers?](#). In Margaret E. Raymond (ed.). *How to Improve our Schools in the Post-COVID Era*, Stanford, CA: Hoover Institution. May 2021.

---

[Budgeting During and For Recovery](#). In Margaret E. Raymond (ed.). *How to Improve our Schools in the Post-COVID Era*, Stanford, CA: Hoover Institution. May 2021.

---

[Addressing Cross-national Generalizability in Educational Impact Evaluation](#). *International Journal of Educational Development*, 80, 102318. January 2021.

---

[United States: The Uphill Schools' Struggle](#). In Nuno Crato (ed.). *Improving a Country's Education: PISA 2018 Results in 10 Countries*, Cham, Switzerland: Springer, pp. 227-247. December 2020.

---

[Test-Based Accountability in Distressed Times](#). (with Chester E. Finn Jr.). *The State Education Standard*, September 20(3), pp. 13-17. September 2020.

---

[The Economic Impacts of Learning Losses](#). (with Ludger Woessmann). *Organisation for Economic Co-operation and Development*. September 2020.

---

[A quantitative look at the economic impact of the European Union's educational goals](#). (with Ludger Woessmann). *Education Economics*, 28(3), 225-244. May 2020.

---

[Education, Knowledge Capital, and Economic Growth](#). (with Ludger Woessmann). In Steve Bradley and Colin Green (ed.). *Economics of Education*, 2nd Edition, London: Academic Press, pp. 171-182. February 2020.

---

[The Unavoidable: Tomorrow's Teacher Compensation](#). Hoover Education Success Initiative. January 2020.

---

[Quality Education and Economic Development](#). In Brajesh Panth and Rupert Maclean (ed.). *Anticipating and Preparing for Emerging Skills and Jobs: Key Issues, Concerns, and Prospects*, Singapore: Springer, pp. 25-32. January 2020.

---

[Education Production Functions](#). in Steve Bradley and Colin Green (ed.). *Economics of Education*, 2nd Edition , London: Academic Press, pp. 161-170. January 2020.

---

[The Value of Smarter Teachers: International Evidence on Teacher Cognitive Skills and Student Performance](#). (with Marc Piopiunik and Simon Wiederhold). *Journal of Human Resources*, 54(4), pp. 857-899. December 2019.

---

[Knowledge Capital and Economic Growth](#). (with Ludger Woessmann). In Rolf Becker (ed.). *Research Handbook on the Sociology of Education*, Cheltenham, UK: Edward Elgar Publishing, pp. 476-497. October 2019.

---

[The Fall of Educational Productivity and Policy Paralysis](#). In Lindsay M. Burke and Jonathan Butcher (ed.). *The Not-So-Great Society*, Washington, DC: Heritage Foundation, pp. 45-51. October 2019.

---

[The Achievement Gap Fails to Close: Half Century of testing shows persistent divide between haves and have-nots](#). (with Paul E. Peterson, Laura M. Talpey, and Ludger Woessmann). *Education Next*, 19(3), pp. 8-17. May 2019.

---

[Testing, Accountability and the American Economy](#). *ANNALS of the American Academy of Political and Social Science*, 683, 110-128. May 2019.

---

[Do Smarter Teachers Make Smarter Students? International Evidence on Teacher Cognitive Skills and Student Performance](#). (with Marc Piopiunik and Simon Wiederhold). *Education Next*, 19(2) , pp. 57-64. February 2019.

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[Volkswirtschaftliche Folgen von Bildungsarmut: Was ein Entwicklungsziel „Grundkompetenzen für alle“ erreichen könnte](#). (with Ludger Woessmann). In Gudrun Quenzel and Klaus Hurrelmann (ed.). *Handbuch Bildungsarmut*, Springer VS, pp. 547-554. January 2019.

---

[Education and the Growth-Equity Trade-off](#). In Charles Hulten and Valerie Ramey (ed.). *Education, Skills and Technical Change: Implications for Future U.S. GDP Growth*, Chicago: University of Chicago Press, pp. 293-312. January 2019.

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[Missouri's Economic Future Lies with School Reform](#). Missouri Policy Journal, 6, pp. 23-38. June 2018.

---

[Economic Gains from Educational Reform by US States](#). (with Jens Ruhose and Ludger Woessmann). Journal of Human Capital, 11(4), pp. 447-486. December 2017.

---

[Knowledge Capital and Aggregate Income Differences: Development Accounting for U.S. States](#). (with Jens Ruhose and Ludger Woessmann). American Economic Journal: Macroeconomics, 9(4), pp. 184-224. November 2017.

---

[Defining Productivity in Education: Issues and Illustrations](#). (with Elizabeth Ettema). The American Economist, 65(2), pp. 165-183. October 2017.

---

[Coping with Change: International Differences in the Returns to Skills](#). (with Guido Schwerdt, Simon Wiederhold, and Ludger Woessmann). Economic Letters, 153, pp. 15-19. April 2017.

---

[General Education, Vocational Education, and Labor-Market Outcomes over the Life-Cycle](#). (with Guido Schwerdt, Ludger Woessmann, and Lei Zhang). Journal of Human Resources, 52(1), pp. 49-88. February 2017.

---

[For Long Term Economic Development, Only Skills Matter](#). IZA World of Labor, 343. January 2017.

---

[School Resources and Student Achievement: A Review of Cross-Country Economic Research](#). (with Ludger Woessmann). In Monica Rosén, Kajsa Yang Hansen, and Ulrika Wolff (ed.). Cognitive Abilities and Educational Outcomes: A Festschrift in Honour of Jan-Eric Gustafsson, Springer, pp. 149-171. December 2016.

---

[Dynamic Effects of Teacher Turnover on the Quality of Instruction](#). (with Steven G. Rivkin and Jeffrey C. Schiman). Economics of Education Review, 55, pp. 132-148. December 2016.

---

[Skills, Mobility, and Growth](#). (with Ludger Woessmann). In Alexandra Brown, David Buchholz, Daniel Davis, and Arturo Gonzalez (ed.). Economic Mobility: Research & Ideas on Strengthening Families, Communities & the Economy, St. Louis, MO: Federal Reserve Bank of St. Louis and the Board of Governors of the Federal Reserve System, pp. 423-449. December 2016.

---

[Education Reform](#). In Scott W. Atlas, Jesús Fernández-Villaverde, Eric A. Hanushek, Edward P. Lazear, Lee Ohanian, Joshua D. Rauh, and Frank A. Wolak. Economic Policy

Challenges Facing California's Next Governor, Stanford, CA: Hoover Institution Press, pp. 19-23. October 2016.

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[Will more higher education improve economic growth?](#). Oxford Review of Economic Policy, 32(4), pp. 538-552. October 2016.

---

[Education and the Nation's Future](#). In George P. Shultz (ed.). Blueprint for America, Stanford, CA: Hoover Institution Press, pp. 89-108. July 2016.

---

[It Pays to Improve School Quality](#). (with Jens Ruhose and Ludger Woessmann). Education Next, 16(3), pp. 16-24. June 2016.

---

[What Matters for Achievement: Updating Coleman on the Influence of Families and Schools](#). Education Next, 16(2), pp. 22-30. January 2016.

---

[School human capital and teacher salary policies](#). Journal of Professional Capital and Community, 1(1), pp. 23-40. January 2016.

---

[Knowledge Capital, Growth, and the East Asian Miracle](#). (with Ludger Woessmann). Science, 351(6271), pp. 344-345. January 2016.

---

[Land Use Controls, Fiscal Zoning, and the Local Provision of Education](#). (with Kuzey Yilmaz). Public Finance Review, 49(5), pp. 559-585. September 2015.

---

[The Preschool Debate: Translating Research into Policy](#). In Ingrid Gould Ellen, Edward L. Glaeser, Eric A. Hanushek, Matthew E. Kahn, and Aaron M. Renn. The Next Urban Renaissance: How Public-Policy Innovation and Evaluation Can Improve Life in America's Cities, New York: Manhattan Institute for Policy Research, pp. 25-40. September 2015.

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[Why Standard Measures of Human Capital are Misleading](#). KDI Journal of Economic Policy, 37(2), pp. 22-39. June 2015.

---

[The Economic Impact of Educational Quality](#). (with Ludger Woessmann). In Pauline Dixon, Steve Humble, and Chris Counihan (ed.). Handbook of International Development and Education, Cheltenham, UK: Edward Elgar Publishing, pp. 6-19. May 2015.

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[Economics of Education](#). In Paul B. Baltes and Neil J. Smelser (ed.). International Encyclopedia of the Social and Behavioral Sciences, vol. 6, Amsterdam: Elsevier Science, pp. 4200-4208. April 2015.

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[Returns to Skills around the World: Evidence from PIAAC](#). (with Guido Schwerdt, Simon Wiederhold, and Ludger Woessmann). *European Economic Review*, 73, pp. 103-130. January 2015.

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[Finding the Right Focus](#). In María de Ibarrola and D.C. Phillips (ed.). *Leaders in Educational Research*, Rotterdam: Sense Publishers, pp. 93-105. September 2014.

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[Achievement Gap](#). In Denis C. Phillips (ed.). *Encyclopedia of Educational Theory and Philosophy*, Los Angeles: SAGE Reference, pp. 4-7. June 2014.

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[Is Location Fate? Distributional Aspects of Schooling](#). In Gregory K. Ingram and Daphne A. Kenyon (ed.). *Education, Land, and Location*, Cambridge, MA: Lincoln Institute of Land Policy, pp. 25-61. June 2014.

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[U.S. Students from Educated Families Lag in International Tests](#). (with Paul E. Peterson and Ludger Woessmann). *Education Next*, 14(4), pp. 8-18. May 2014.

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[Institutional Structures of the Education System and Student Achievement: A Review of Cross-country Economic Research](#). (with Ludger Woessmann). In Rolf Strietholt, Wilfried Bos, Jan-Eric Gustafsson, and Monica Rosen (ed.) . *Educational Policy Evaluation through International Comparative Assessments*, Munster, Germany: Waxman, pp. 145-175. April 2014.

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[Borrowing Constraints, College Aid, and Intergenerational Mobility](#). (with Charles Ka Yui Leung and Kuzey Yilmaz). *Journal of Human Capital*, 8(1), pp. 1-41. March 2014.

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[Boosting Teacher Effectiveness](#). In Chester E. Finn Jr. and Richard Sousa (ed.). *What lies ahead for america's children and their schools*, Stanford, CA: Hoover Institution Press, 23-35. January 2014.

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[School resources and educational outcomes in developing countries: A review of the literature from 1990 to 2010](#). (with Paul W. Glewwe, Sarah D. Humpage, and Renato Ravina). In Paul Glewwe (ed.) . *Education Policy in Developing Countries*, Chicago: University of Chicago Press, pp. 13-64. December 2013.

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[Economic Growth in Developing Countries: The Role of Human Capital](#). *Economics of Education Review*, 37, pp. 204–212. December 2013.

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[Schools and location: Tiebout, Alonso, and governmental finance policy](#). (with Kuzey Yilmaz) . *Journal of Public Economic Theory*, 15(6), pp. 829-855. December 2013.

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[Financing Schools](#). In John Hattie and Eric M. Anderman (ed.). International Guide to Student Achievement, New York: Routledge, pp. 134-136. October 2013.

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[Does School Autonomy Make Sense Everywhere? Panel Estimates from PISA](#). (with Susanne Link and Ludger Woessmann). Journal of Development Economics, 104, pp. 212-232. September 2013.

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