

Resume of ALAN W. HESTON
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1. **Education:**
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| B.A. University of Oregon | 1955 |
| M.A. University of Washington | 1957 |
| Ph.D. Yale University | 1962 |

2. **Professional Positions:**

A. Regular Appointments

Professor, University of Pennsylvania, 1977 – 2003, Emeritus
Associate Professor, University of Pennsylvania, 1967-77
Assistant Professor, University of Pennsylvania, 1962-67
Assistant Professor, Yale University, 1961-62

B. Other Appointments

Visiting Lecturer Department of Economics, Univ. of Bombay, 1960-61
Senior Statistician, United Nations, 1978-79
Advisor, Pakistan Institute of Development Economics, 6/82 - 1/83
Chief, International Price Statistics, United Nations, 1/83- 8/84
Visiting Professor, Northeastern University, Winter-Spring, 2000.

C. Other Positions

Secretary, Vice-President -Secretary-Treasurer, American Institute of Indian Studies, 1971-76
Consultant to World Bank on Price Studies, 1981-present
Consultant to the UN Expert Group on the Reduction of Military Expenditures, 1984-85
Member Council, International Association for Research on Income and Wealth, 1985-92
Chair, Council, International Association for Research Income and Wealth Wealth, 1987-89
Editor (1996- 2003), Annals of the American Academy of Political and Social Science
Academy of Political and Social Science

Member Technical Advisory Committee on the Cost of Living Allowance (COLA) of the Office of Personnel Administration, US Government, 1997-
Member of the Technical Advisory Group of the International Comparison Program, World Bank, 2003-
Co-Director, Center for International Comparisons of Production, Income and Prices, University of Pennsylvania, 1997-
Chair, Technical Advisory Committee, International Comparison Project, World Bank, 2004-2020.

3. Scholarly Affiliations:

American Economic Association,
Cliometric Society
International Association for Research in Income and Wealth
Committee on Research on Income and Wealth and NBER

4. Fellowships and Research Support and Awards

Faculty Fellow, American Institute of Indian Studies for Field Work in India, 1965-66
Fulbright-Hays Faculty Award, India, 1970
Faculty Fellow, American Institute for Indian Studies 1981-82
United States Institute for Peace, 1987
U.S. Agency for International Development, 1988-90, 1992-93, and 1994
National Science Foundation, 1986-88, 1989-91, 1992-5, 1996-2000, 2000-2004, 2003-2007, 2007-2010, 2010-2011, 2012-2015.
Distinguished Fellow, American Economic Association 1998

5. Publications:

A. Monographs:

A System of International Comparisons of Gross Product and Purchasing Power (with I.B. Kravis, Z. Kenessey, and R. Summers), Baltimore: Johns Hopkins University Press, May 1975. (XI, 294).

International Comparisons of Real Product and Purchasing Power, (with I.B. Kravis and R. Summers), Baltimore: Johns Hopkins University Press, 1978, (IX, 264).

World Product and Income: International Comparisons of Real GDP, (with I.B. Kravis and R. Summers), Johns Hopkins University Press, May 1982.

The Structure of Protection in Pakistan 1980-81, Vol. II (with S.N.H. Naqvi, and A.R. Kemal, Pakistan Institute of Development, Economics, Islamabad, 1983.

World Comparisons of Purchasing Power and Real Product for 1980, Phase IV of the International Comparison Project. Part one: Summary Results for 60 Countries.

Published 1986, and Part two: Detailed Results for 60 countries published in 1987 by the United Nations.

Handbook of the United Nations International Comparison Programme, principal author, New York, United Nations Statistical Division, 1992.

ESCAP Comparisons of Real Gross Domestic Product and Purchasing Power Parities, 1993, United Nations Economic and Social Commission for Asia and the Pacific (ST/ESCAP/1918), Bangkok, 1999 (The UN does not list authorship, but as indicated in the Foreword I was the principal author.)

B. Edited Volumes:

"The Nation's Health: Some Issues," *Annals of the American Academy of Political and Social Science*, January 1972, 259. With Sylvester Berki.

"Technology Transfer: New Issues, New Analysis," *The Annals of the American Academy of Political and Social Science*, Volume 458, (special editor with Howard Pack). Sage Publications: Beverly Hills, London, November, 1981.

"The Changing Role of NGOs," *The Annals of the American Academy of Political and Social Science*, Volume 458, (special editor with Jude Fernando). Sage Publications: Beverly Hills, November, 1997.

International and Interarea Comparisons of Prices, Output and Productivity, Studies in Income and Wealth, No. 61, R. Lipsey and A. Heston ed., University of Chicago Press, 1999.

C. Articles

"The Estimation of Shipping Earnings in Historical Studies of the Balance of Payments," (with D.C. North), *Canadian Journal of Economics and Political Science*, May 1960, pp. 265-76.

"An Empirical Study of Indian Gold Prices," *Indian Economic Journal*, January 1961, pp. 210-220.

"An Empirical Study of Cash, Securities and Other Current Accounts of Large Corporations," *Yale Economic Essays*, Spring 1962, pp. 117-68. (Also published in *Studies of Portfolio Behavior*, D. Hester and J. Tobin, editors, Cowles Monograph #20, Wiley Publishers, 1967, pp. 66-117).

"A Note on Income Distribution," *Economic Weekly*, 1964 (Bombay)

"Regional Income Differences in India and the 'Historical' Pattern," *Indian Economic Journal*, October-December, 1967, pp. 222-31.

"An Analysis of Regional Differences in Agricultural Growth in India Since 1947," *Asian Survey*, March 1968, pp. 174-87.

"An Approach to the Sacred Cow of India," *Current Anthropology*, vol.12. April 1971, pp. 191-205. Reprinted in *Ethnology and Explanation*, Little, Brown and Co. in 1982 and in *Dialectics of Third World Development*, edited by Ingolf Vogeler, Allanheld, Osmun & Co.1983

"A Comparison of Some Short-Cut Methods of Estimating Real Product per Capita," *Review of Income and Wealth*, March 1973, pp. 79-104.

"Official Yields per Acre in India, 1866 to 1947: Some Questions of Interpretation," *The Indian Economic and Social History Review*, Vol. X, No. 4, 1973.

"Standard of Living in Akbar's Time: A Comment," *Indian Economic and Social History Review*, July-September 1977.

"Aggregation Methods in International Comparisons of Real Product," *Eurostat News*, Special Number 1978, pp. 143-186

"A Further Critique of Historical Yields per Acre in India," *Indian Economic and Social History Review*, April-June 1978.

"Real GDP Per Capita for More Than One Hundred Countries," *Economic Journal*, June 1978 (with I. Kravis and R. Summers).

"The Affluence of Nations: A New International Comparison of Per Capita Income," *The Wharton Magazine*, Vol. 3, No.1, Fall 1978,

"Comparative Indian Economic Growth 1870-1970," *American Economic Review*, (with R. Summers), May 1980.

"Inequality Among Nations: 1950-1975," in *Disparities in Economic Development Since the Industrial Revolution*, ed.P.Bairoch and M. Levy Leboyer, Macmillan Press Ltd., 1981,(co-author with R. Summers and I.B.Kravis,pp. 18-28).

"Comparison of Consumption Patterns in Five Developed Countries," (with Z. Kennessey, I.B. Kravis and R. Summers), in *Consumption and Income Distribution in Latin America*, ed. Robert Ferber

"International Comparison of Real Product and Its Composition: 1950- 1977," (with R. Summers and I.B. Kravis), *Review of Income and Wealth*, March 1980,

"New Insights into the Structure of the World Economy," *Review of Income and Wealth*, Dec 1981, (with I.B. Kravis and R. Summers).

"Comments on Selected Problems of Intercountry Comparisons on the Basis of the Experience of the EEC'," (with R. Summers and I.B.Kravis), *Review of Income and Wealth*, December 1982.

"National Income 1857-1947," Chapter IV for the *Cambridge Economic History of India*, Cambridge University Press, 1982, pp. 376-462.

"A Note on Camel Carts and Other Informal Urban Transport in Gujarat," *Anvesak*, 1982, Vol. XII, No. 2 pp. 83-98.

"The Share of Services in Economic Growth," (with R. Summers and I.B. Kravis) in F.G. Adams and B. Hickman (eds.), *Global Econometrics: Essays in Honor of Lawrence R. Klein*, M.I.T. Press, 1983.

"A Different Perspective on Pakistan's Economy: The Structure of Expenditures and Prices, 1975-81," *The Pakistan Development Review*, Autumn, 1983, pp. 163-77.

"The Persistence of Land Fragmentation in Peasant Agriculture: An Analysis of South Asian Cases," *Explorations in Economic History*, 20:199-220, (with Dharma Kumar) 1983.Reprinted in *Colonialism, Property and the State*, ed by Dharma Kumar, Delhi:New York, Oxford, 1998.

"Changes in World Income Distribution," *Journal of Policy Modeling*, (May 1984): pp. 237-69, with R. Summers and I.B. Kravis, 1984.

"Improved International Comparisons of Real Product and its Composition, 1950-80," *Review of Income and Wealth*, 207-61, with R. Summers, 1984.

"The Economics of Camel Transport in Pakistan,:" (with H. Hasnain, S.Z. Hussain and R.M. Khan), *Economic Development and Cultural Change*, vol. 33. October, 1985.

"The Systematic Behavior of Service Prices and Productivity in Different Countries," (with R. Summers and I.B. Kravis), *Measurement Issues and Behavior of Productivity Variables*, ed. A. Dogramaci, pp.245-57, Kluwer Nijhoff, Boston, 1986.

"A New Set of International Comparisons of Real Product and Price Levels: Estimates for 130 Countries, 1950-1985" (with R. Summers), *Review of Income and Wealth*, March,1988

"What Has Been Learned About Prices and Quantities From International Comparisons: 1987" (with R. Summers), *American Economic Review*, May, 1988.

"Comparing International Comparisons, in *World Comparison of Incomes, Prices and Product*, (with R.Summers)J Salazar-Carrillo and D.S. Prasada Rao,Eds, Elsevier Science Publishers, North Holland, 1988.

"Poverty in India: Perceptions and Trends," *India Briefing 1990*, Asia Society, New York, 1990. pp. 101-28.

"Penn World Table (Mark 5): an Expanded Set of International Comparisons, 1950-88", (with R. Summers) *Quarterly Journal of Economics*, May 1991.

"Consistency of Real Product Comparisons Across Space and Time: Some Problems and Some Proposals", *Proceedings of the Asia-Pacific Seminar on the Use of Purchasing Power Parities*, Management and Planning Agency, Government of Japan, March, 1991.

"Measuring Final Product Services for International Comparisons," Z. Griliches, ed., *Output Measurement in the Services Sector*, CRIW and NBER, Chicago, 1992.

"India's Economic Reforms: The Real Thing?" *Current History*, March, 1992.

"Consequences of Expanded Availability of Goods and Services for Price Collection and Measurement of Trends in Output and Inflation," (with R. Summers), in *Economic Statistics for Economies in Transition; Eastern Europe in the 1990s*, Bureau of Labor Statistics and Eurostat, Washington, D.C., 1993.

"What can be Learned from Successive ICP Benchmark Estimates?," (with R. Summers), in A. Szirmai and D. Pilat ed., *Explaining Economic Growth; Essays in Honour of Angus Maddison*, North Holland, Amsterdam, 1993.

"Real World Military Expenditures : 134 Countries, 1980 and 1985," (with B. Aten), in Jurgen Brauer and Manas Chatterji, eds., *Economic Issues of Disarmament*, Macmillan, 1993.

"A Brief Review of some problems in using National Accounts Data in Level of Output Comparisons and Growth Studies," *Journal of Development Economics*, June, 1994.

"Income Levels, Growth and Price Structures in the ESCAP Region, 1960- 90," *Journal of Asian Economics*, Spring, 1994.

"The Differential Productivity Hypothesis and Purchasing Power Parities: Some New Evidence," (with R. Summers and D. Nuxoll) *Review of International Economics*, October, 1994.

"Comparative Country Performance at Own-Prices or Common International Prices," (with R. Summers and D. Nuxoll) in *Economics, Econometrics and the Link Essays in Honor of Lawrence R Klein*, ed, Jan Dutta, et al. Elsevier, New York 1994.

"India's New Economic Policy: Comment," in Balveer Arora & Douglas Verney eds., *Multiple Identities in a Single State: Indian Federalism in Comparative Perspective*, New Delhi, Konark, 1995.

"International Price and Productivity Comparisons: Potentials and Pitfalls", (with R. Summers) *Proceedings American Economic Association*, May, 1996

"Some Problems in Item Price Comparisons with Special Reference to of CPI Prices in Estimating Spatial Heading Parities," in *Improving the Quality of Price Indices; CPI & PPP*, Commission of the European Communities and Dipartimento di Statistica "G. Parenti", Florence, 1996.

"Economic Policy and Performance in India and Pakistan," in *The Wealth of Nations over Time*. Ramon H Myers ed., Hoover Inst., 1997.

"India's Increasing Integration in the World Economy: The Tensions of Nationalism and Globalism since 1990," in *The India Handbook*, Fitzroy Dearborn Publishers, Chicago, 1997.

"Economics," in *India's Worlds and U.S. Scholars 1947-1997*, J. W. Elder, E.C. Dimock and A.T. Embree editors, Manohar, New Delhi, 1998.

"The World Distribution of Income Dissected," (with R. Summers) in *International and Interarea Comparisons of Prices, Output and Productivity*, R. Lipsey and A. Heston ed., University of Chicago Press, 1999.

"PPP Measurements in the ESCAP Region: What have we Learned?," *International Symposium on Statistical Measurement of Economic Development of China and East Asia Region*, Annual Report of the Meiji Gakuin University, January, 2001, pp. 19-37.

"Comments on V. Revenko, "Gross National Product of the USSR and the U.S.," in Vol I of *Comparing the U.S. and Soviet Economies*, edited by Nick Eberstadt and Jonathan Tombes, American Enterprise Institute, Washington, 2000, pp. 46-51.

"Stability of Country Price Structures: Implications for Spatial-Temporal Comparisons," *UN Economic Statistical Reporter*, May, 2001. (With Robert Summers and Bettina Aten)

"Economics," in *India's World and U.S. Scholars 1947-1997*, editor Joseph W. Elder, Manohar Publishers, New Delhi, January, 2003.

"Using Scanner Data to estimate Country Price Parities: A Hedonic Regression Approach," *Review of Income and Wealth*, pp. 1-22. March, 2003 (With Saeed Heravi and Mick Silver)

"Crusades and Jihads: A Long-run Economic Perspective", *Annals of the American Academy of Political and Social Science*, July, 2003.

“Regional Output Differences in International Perspective”, with Bettina Aten In *Spatial Inequality and Development*, edited by Ravi Kanbur and Anthony J. Venables, UNU-Wider Studies in Development Economics, Oxford University Press, New York. 2005

“China and Development Economics” Ch 2, (with Terry Sicular) in the volume, *China's Great Transformation: Origins, Mechanism, and Consequences of the Post-Reform Economic Boom*, Loren Brandt and Tom Rawski, editors. Cambridge, April, 2008.

“The 2005 Global Report on PPPs: A Preliminary Review,’ *Economic and Political Weekly* (Mumbai), March 15, 2008.

“Institutional Flaws and Corruption Incentives in India,” with Vijay Kumar, *Journal of Development Studies*, November, 2008.

“Comment”on “Durables and Owner Occupied Housing in a Consumer Price Index” by W. Erwin Diewert in *Price Index Concepts and Measurement*, W. Erwin Diewert, John Greenlees and Chareles Hulten, NBER, University of Chicago Press, 2009.

“Estimating Real Production and Expenditures Across Nations: A Proposal for Improving the Penn World Tables”, with Robert Feenstra, Marcel P. Timmer and Haiyan Deng. *Review of Economics and Statistics*, Feb 2009.

“Chaining Methods for International Real Product and Purchasing Power Comparisons: Issues and Alternatives,” with Bettina Aten, Ch 10, in *Purchasing Power Parities of Currencies: Recent Developments in Methods and Application*, D.S. Prasada Rao editor, Edward Elgar Publishing Ltd. March, 2009.

“Reported Prices and Rents of Housing: Reflections of Costs, Amenities or Both,” (with Alice Nakamura) in *Price and Productivity Measurement, Volume 1 Housing*, Chapter 7, editors, Erwin Diewert, Bert Balk, Dennis Fixler, Kevin Fox, and Alice Nakamura, Tafford Press, 2009.

“Questions about the Treatment of Owner-Occupied Housing in Spatial and Temporal Price Indexes and in National Accounts”, (with Alice Nakamura), *Journal of Housing Economics*, 2009.

“Use of the Penn World Table in Making International Poverty Comparisons.” (With Bettina Aten) *Debates in the Measurement of Global Poverty*, edited by Sudhir Anand, Paul Segal and Joe Stiglitz, Oxford University Press, 2009.

Understanding PPPs and PPP-based national accounts, with Angus Deaton, *Journal of Macroeconomics*, October, 2010.

“What Can Be Learned About the Economies of China and India from the Results of Purchasing Power Comparisons?,” in *Emerging Giants: China and India in the World*

Economy, Rajiv Kumar, Poonam Gupta and Barry Eichengreen editors. Cambridge University Press, pp 3-31. 2010.

Dwelling Services, and Government Services: Productivity Adjustments Ch. 12 and Ch. 16 in *Measuring the Real Size of the World Economy: The Framework, Methodology, and Results of the International Comparison Program Program—ICP*, Washington, DC: World Bank, 2013. pp.319-43 , and 413-41.

The Flaw of One Price, in "Income, Poverty and Prices: Comparisons at National and Sub-national Level," Luigi Biggeri and D. S. Prasada Rao, editors. *Social Indicators Research*, February, 2017.

Recent Papers

The Owner-Premium Adjustment in Housing Imputations, with Bettina Aten, paper presented to the Advisory Committee Bureau of Economic Analysis, November 15, 2019. <https://www.bea.gov/docs/acm/owner-premium-adjustment-in-housing-imputations.pdf>