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Washington, DC 20009-4451

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Research Interests

Applied Microeconomics and Econometrics, Development and Transition Economics, Poverty and Inequality Analysis, Health Economics, Economics of Education

Education

Ph.D., economics, Princeton University
B.S. *magna cum laude*, economics, University of Minnesota

Professional Experience

The World Bank, Washington, DC, 2017 - present

Lead Economist, Development Economics Data Group (LSMS, Global Poverty and Inequality Team)
Co-Director, 2020 – 2021 World Development Report (Data for Better Lives)

School of Advanced International Studies, Johns Hopkins, Washington, DC, 2005-09, 2019 - present
Adjunct Lecturer, Applied Econometrics / Applied Cross-sectional and Panel Data Analysis (Masters).

The World Bank, Washington, DC, 2009 - 2017

Senior Economist, Poverty Team, South Asia Region and Development Economics Research Group.

Economic Research Service, U.S. Department of Agriculture, Washington, DC, 2000 - 2009

Research Economist, Food Assistance Branch of the Food Economics Division.

Georgetown Public Policy Institute (GPPI), Georgetown University, Washington, DC, 2003

Adjunct Professor, Quantitative Methods III (Masters level).

Center for Economic Research and Graduate Education (CERGE), Charles University, and Economics Institute (EI) of the Academy of Sciences, Czech Republic, 1998 - 2000

Assistant Professor and *Senior Researcher*

International Food Policy Research Institute (IFPRI), Washington, DC, 1996 - 1998

Post-doctoral Fellow

The World Bank, Policy Research Division, Washington, DC, 1993-1996, 1992, 1989-1990

Consultant

The Woodrow Wilson School, Princeton University, Princeton, NJ, 1991-1992

Lecturer of Public and International Affairs, Applied Microeconomics, Statistics, IO (Masters level)

Publications

Journal articles

“Mind the Gap Disparities in Assessments of Living Standards Using National Accounts and Household Surveys.” 2022. *Review of Income and Wealth*, forthcoming (with Prydz, E.B. and U. Serajuddin).

“Why is Growth in Developing Countries so Hard to Measure?” *Journal of Economic Perspectives*, 35(3): 215-42, 2021 (with Angrist, N. and Goldberg, P.). doi: 10.1257/jep.35.3.215

“Societal Poverty: A Relative and Relevant Measure.” *World Bank Economic Review*, 2021, 35(1): 180–206 (with Prydz, E.B.). doi: 10.1093/wber/lhz018

“Land Fragmentation and Food Insecurity in Ethiopia.” *American Journal of Agricultural Economics*, 2020, 102(5): 1557-77 (with Knippenberg, E. and Hoddinott, J.). doi: 10.1002/ajae.12081

“Data Gaps, Data Incomparability, and Data Imputation: A Review of Poverty Measurement Methods for Data-Scarce Environments.” *Journal of Economic Surveys*, 2019, 33(3): 757-797 (with Dang, H. and Carletto, G.). doi: 10.1111/joes.12307

“Do Different Types of Assets have Differential Effects on Child Education? Evidence from Tanzania.” *World Development*, 2018, 15(September): 14-28 (with Kafle, K. and Winter-Nelson, A.). doi: 10.1016/j.worlddev.2018.04.006

“Dynamics of Child Malnutrition in Rural and Small-Town Ethiopia” *South African Journal of Economics*, 2018, 86(2): 127-52 (with Seff, I. and Baird, S.). doi:10.1111/saje.12190

“Land Productivity and Plot Size: Is Measurement Error Driving the Inverse Relationship?” *Journal of Development Economics*, 2018, 130(January): 84-99 (with Desiere, S.). doi:10.1016/j.jdeveco.2017.10.002

“Noncomparable Poverty Comparisons,” *Journal of Development Studies*, 2018, 54(3): 523-536 (with Serajuddin, U.). doi: 10.1080/00220388.2016.1274394

“Food Counts: Measuring Food Consumption and Expenditures in Household Consumption and Expenditure Surveys (HCES). Introduction to the Special Issue.” *Food Policy*, 2017, 72(October): 1-6 (co-editor with Zezza, A., Carletto, C., Fiedler, J., and Gennari, P.).

“Dynamics of Wellbeing and Poverty in Ethiopia: Introduction to a Special Issue.” *Ethiopian Journal of Economics*, October 2016, XXV(2): i-xi (co-editor with Seff, I., Ambel, A. and T. Ferede).

“Multidimensional Poverty Dynamics in Ethiopia: How Do They Differ from Consumption-based Poverty Dynamics?” *Ethiopian Journal of Economics*, October 2016, XXV(2): 1-35 (with Seff, I.).

“A Profile of Food Insecurity Dynamics in Rural and Small-town Ethiopia” *Ethiopian Journal of Economics*, October 2016, XXV(2): 77-112 (with D’Souza, A.).

“Nonfarm Enterprises in Rural Ethiopia: Improving Livelihoods by Generating Income and Smoothing Consumption?” *Ethiopian Journal of Economics*, October 2016, XXV(2): 171-204 (with Kowalski, J., Lipcan, A., McIntosh, K., Smida, R., Sørensen, S. and Seff, I.).

“Estimating International Poverty Lines from Comparable National Thresholds,” *Journal of Economic Inequality*, June 2016, 14(2): 185-198 (with Prydz, E.B.).

“A Global Count of the Extreme Poor in 2012: Data Issues, Methodology and Initial Results,” *Journal of Economic Inequality*, June 2016, 14(2):141-172 (with Ferreira, F., Chen, S., Dabalen, A., Dihkanov, Y., Hamadeh, N., Jolliffe, D., Narayan, A., Prydz, E., Sangraula, P., Serajuddin, U., Yoshida, N.).

“From Tragedy to Renaissance: Improving Agricultural Data for Better Policies” *Journal of Development Studies*, 2015 (with Gero Carletto and Raka Banerjee). doi: 10.1080/00220388.2014.968140

“A Decade of Progress in Reducing Poverty: An Introduction to the Special Issue.” *Bangladesh Development Studies*, 2014, 37(1/2): iii-vii (with Mustafa Mujeri and Iffath Sharif).

“Bangladesh, a Middle-Income Country by 2021: What Will It Take in terms of Poverty Reduction?” *Bangladesh Development Studies*, 2014, 37(1/2): 1-19 (with Lea Gimenez and Iffath Sharif).

“Inflation for the Poor in Bangladesh: A Comparison of CPI and Household Survey Data.” *Bangladesh Development Studies*, 2014, 37(1/2): 57-81 (with Lea Gimenez).

“Food Insecurity in Vulnerable Populations: Coping with Food Price Shocks in Afghanistan.” *American Journal of Agricultural Economics*, 2014, 96(3): 790-812 (with Anna D’Souza). doi: 10.1093/ajae/aat089

“Conflict, Food Price Shocks, and Food Insecurity: The experience of Afghan Households.” *Food Policy*, 2013, 42(2013): 32-47 (with Anna D’Souza). doi: 10.1016/j.foodpol.2013.06.007

“Identifying the Effects of Food Stamps on Child Health Outcomes when Participation is Endogenous and Misreported.” *Journal of the American Statistical Association*, 2012, 107(499): 958-75 (with Brent Kreider, John Pepper and Craig Gundersen). doi: 10.1080/01621459.2012.682828

“Rising Food Prices and Coping Strategies: Household-level Evidence from Afghanistan.” *Journal of Development Studies*, 2012, 48(2): 282-299 (with Anna D’Souza). doi: 10.1080/00220388.2011.635422

“Overweight and Poor? On the Relationship between Income and the Body Mass Index.” *Economics and Human Biology*, 2011, 9(3): 342-55. doi: 10.1016/j.ehb.2011.07.004

“The Challenge of Program Evaluation: When Increasing Program Participation Decreases the Relative Well-Being of Participants.” *Food Policy*, 2009, 34(4): 367-376 (with Craig Gundersen and Laura Tiehen). doi: 10.1016/j.foodpol.2008.12.001

“Censored Quantile Regression and Purchases of Ice Cream.” *Food Economics*, 2008, 5(3): 152-163 (with Geir Gustavsen and Kyrre Rickertsen). doi: 10.1080/16507540902898971

“Socioeconomic, Behavioural and Environmental Factors Predicted Body Weights and Household Food Insecurity Scores in the Early Childhood Longitudinal Study-Kindergarten.” *British Journal of Nutrition*, August 2008, 100(2): 438-444 (with Alok Bhargava and Larry Howard). doi: 10.1017/S0007114508894366

“Earnings, Schooling and Economic Reform: Econometric Evidence from Hungary (1986-2004).” *World Bank Economic Review*, 2007, 21(3): 509-526 (with Nauro Campos). doi: 10.1093/wber/lhm012

“Poverty, Prices and Place: How Sensitive is the Spatial Distribution of Poverty to Cost of Living Adjustments?” *Economic Inquiry*, April 2006, 44(2): 296-310. doi: 10.1093/ei/cbj016

“A Comparison of Parametric and Semi-parametric Estimates of Farm Profit--Accounting for Sample Design in Household Surveys.” *Quarterly Journal of International Agriculture*, 2006, 45(2): 107-125.

“The Demand for Food away from Home: Do other Preferences Compete with our Desire to be Healthy?” *Journal of Agricultural and Resource Economics*, 2005, 30(3): 520-536 (with Hayden Stewart, Noel Blisard and Sanjib Bhuyan).

“Does Market Liberalization Reduce Gender Discrimination? Econometric Evidence from Hungary, 1986 to 1998.” *Labour Economics*, 2005, 12(1): 1-22 (with Nauro Campos). [Lead article]

“Food Stamp Benefits and Child Poverty.” *American Journal of Agricultural Economics*, August 2005, 87(3): 569-581 (with Craig Gundersen, Laura Tiehen, and Joshua Winicki).

“Poverty in Egypt: Modeling and Policy Simulations.” *Economic Development and Cultural Change*, January 2005, 53(2): 327-346 (with Gaurav Datt).

“Robust Poverty and Inequality Measurement in Egypt: Correcting for Spatial-price Variation and Sample Design Effects.” *Review of Development Economics*, 2004, 8(4): 557-572 (with Gaurav Datt and Manohar Sharma).

“Continuous and Robust Measures of the Overweight Epidemic: 1971-2000.” *Demography*, May 2004, 41(2): 303-314.

“The Impact of Education in Rural Ghana: Examining Household Labor Allocation and Returns On and Off the Farm.” *Journal of Development Economics*, 2004, 73(1): 287-314.

“The Extent of Overweight Among US Children and Adolescents from 1971-2000.” *International Journal of Obesity*, January 2004, 28(1): 4-9. [Featured article]

“After, Before and During: Returns to Education in Hungary (1986-1998).” *Economic Systems*, December 2003, 27(4): 377-390 (with Nauro Campos).

“Do Income Constraints Inhibit Expenditures on Fruits and Vegetables among Low-Income Households?” *Journal of Agricultural and Resource Economics*, December 2003, 28(3): 465-480 (with Hayden Stewart and Noel Blisard).

“On the Relative Wellbeing of the Nonmetropolitan Poor: An Examination of Alternate Definitions of Poverty During the 1990s.” *Southern Economic Journal*, October 2003, 70(2): 295-311.

“Estimating Sampling Variance from the Current Population Survey: A Synthetic Design Approach to Correcting Standard Errors.” *Journal of Economic and Social Measurement*, 2002/2003, 28(4): 239-261.

“The Gender Wage Gap in Bulgaria: A Semiparametric Estimation of Discrimination.” *Journal of Comparative Economics*, June 2002, 30(2): 276-295.

“Whose Schooling Matters in the Determination of Household Income: Evidence from a Developing Country.” *Economic Development and Cultural Change*, January 2002, 50(2): 287-312.

“A Profile of Poverty in Egypt.” *African Development Review*, December 2001, 13(2): 202-237 (with Gaurav Datt and Manohar Sharma).

“Measuring Absolute and Relative Poverty: The Sensitivity of Estimated Household Consumption to Survey Design.” *Journal of Economic and Social Measurement*, 2001, 27(1/2): 1-23.

“Cognitive Skills, Schooling, and Income: Evidence from Ghana.” *World Bank Economic Review*, January 1998, 12(1): 81-104.

Books, Chapters, Reviews and Bulletins

World Development Report, 2021: Data for Better Lives. Washington, D.C.: World Bank. 2021. doi: 10.1596/978-1-4648-1600-0 (co-directed with Cull, R. and Foster, V.).

Poverty and Shared Prosperity 2018: Piecing Together the Poverty Puzzle. Poverty and Shared Prosperity. Washington, DC: The World Bank. doi: 10.1596/978-1-4648-1330-6 (co-led with Lugo, Maria Ana).

“Coping with food price shocks in Afghanistan” in *Food Price Volatility and Implications for Food Security and Policy* (eds. Kalkuhl, von Braun, and Torero), Springer Press, March 2016 (with Anna D’Souza). https://dx.doi.org/10.1007/978-3-319-28201-5_21

“The Effect of SNAP on Poverty” in *SNAP Matters: How Food Stamps affect Wellbeing*, (eds. Bartfeld, J., Gundersen, C., Smeeding, T., Ziliak, J.). USA: Stanford University Press, December 2015 (with Laura Tiehen and Tim Smeeding)

A Measured Approach to Ending Poverty and Boosting Shared Prosperity: Concepts, Data, and the Twin Goals. Policy Research Report. Washington, DC: World Bank, 2014. doi:10.1596/978-1-4648-0361-1 (co-led with Lanjouw, P.; Chen, S., Kraay, A., Meyer, C., Negre, M., Prydz, E., Vakis, R. and K. Wethli).

Income Volatility and Food Assistance in the United States, MI: W.E. Upjohn Institute (edited volume with Ziliak, J.). October 2008.

Review of *Land and Schooling: Transferring Wealth across Generations*, by Quisumbing, A., Estudillo, J. and Otsuka, K., *Agricultural Economics*, 2005, 32(3): 331-332.

“Censored Least Absolute Deviations Estimator: CLAD.” *Stata Technical Bulletin*, November 2000, STB-58: 13-16 (with Bohdan Krushelnytsky and Anastassia Semykina).

“The Impact of Cognitive Skills on Income from Farming.” in *The Economics of School Quality Investments in Developing Countries: An Empirical Study of Ghana*, Glewwe, P. (ed.), UK: Macmillan Press, 1999.

“Robust Standard Errors for the Foster-Greer-Thorbecke Class of Poverty Indices: SEPOV.” Stata Technical Bulletin, September 1999, STB-51: 34-36 (with Anastassia Semykina).

“Bootstrap Standard Errors for Indices of Inequality: INEQERR.” Stata Technical Bulletin, September 1999, STB-51: 28-32 (with Bohdan Krushelnysky).

“Huber-correction for Two-stage Least Squares Estimates.” Stata Technical Bulletin, January 1996, STB-29: 24-25 (with Mead Over and Andrew Foster).

Selected Project Reports, Monographs, Agency Publications

Bangladesh Poverty Assessment: Assessing a Decade of Progress in Reducing Poverty, 2000-2010. Bangladesh Development Series paper no. 31. World Bank, 2013. (with I. Sharif and L. Gimenez). <http://www.worldbank.org/en/news/feature/2013/06/20/bangladesh-poverty-assessment-a-decade-of-progress-in-reducing-poverty-2000-2010>

Afghanistan Poverty Assessment: Four reports on dimensions of wellbeing with data visualization tools. South Asia Economic Policy and Poverty, World Bank, 2012. (with S. Redaelli and L. Gimenez). <http://go.worldbank.org/UNWVFO97Y0>

“Alleviating Poverty in the United States: The Critical Role of SNAP Benefits.” ERS Economic Research Report no. 132, Washington, DC: USDA, April 2012 (with L. Tiehen and C. Gundersen).

“Income Volatility and Food Assistance Programs.” National Poverty Center Policy Brief no. 11. Ann Arbor: University of Michigan. October 2008 (with J. Ziliak).

“Income Volatility Is Rising, with Mixed Effects on Nutrition Assistance Participation.” *Amber Waves*, Economic Research Service, U.S. Department of Agriculture, 2009, 7(4):28-31.

“Adjusting for Living Costs Can Change Who is Considered Poor.” *Amber Waves*, Economic Research Service, U.S. Department of Agriculture, 2006, 4(5):10-15. [Agency Award Winning article]

“The Cost of Living and the Geographic Distribution of Poverty.” ERS Economic Research Report no. 26, Washington, DC: USDA, September 2006 (with L. Tiehen and C. Gundersen).

“Nonmetro Poverty: Assessing the Effects of the 1990s.” *Amber Waves*, Economic Research Service, U.S. Department of Agriculture, 2003, 1(4): 30-37.

“Poverty Measurement: Concepts, Data and Methodology.” *Understanding Poverty and Well-Being in Mozambique: The First National Assessment (1996-97)*. International Food Policy Research Institute monograph, Washington DC, 1998 (with G.Datt, K.Simler, G.Dava, J.Low, C.Matusse, and E. Tostão).

“Poverty Estimates and Profile.” *Understanding Poverty and Well-Being in Mozambique: The First National Assessment (1996-97)*. IFPRI monograph, Washington, DC, 1998 (with K. Simler, G. Datt, S. Handa, G. Dava, J. Low, G. Mlay, C. Matusse, E. Tostão, J. Mutondo, F. Omar, and S. Mukherjee)

Manuscripts and Working Papers, in Progress and under Review

“Under What Conditions Are Data Valuable for Development.” Text/HTML 9811. World Bank Policy Research Working Paper, no. 9811 (with Daniel Mahler, Malar Veerappan, Talip Kilic, and

Philip Wollburg), 2021. Washington D.C.: World Bank Group.
<https://documents.worldbank.org/en/publication/documents-reports/documentdetail>.

“Mind the Gap Disparities in Assessments of Living Standards Using National Accounts and Household Surveys.” World Bank Policy Research Working Paper Series, no. 9779 (with E.B. Prydz and U. Serajuddin), 2021. Washington DC: World Bank.
<https://documents1.worldbank.org/curated/en/505211632322896934/pdf/Mind-the-Gap-Disparities-in-Assessments-of-Living-Standards-Using-National-Accounts-and-Household-Surveys.pdf>

“Food Stamps and America’s Poorest.” National Bureau of Economic Research working paper no. w26025, June 2019 (with Ravallion, M. and J. Margitic). <https://doi.org/10.3386/w26025>.

“Land Productivity and Plot Size: Is Measurement Error Driving the Inverse Relationship?” World Bank Policy Research Working Paper, (with Desiere, Sam), July 2017. Washington DC: World Bank.

“Societal Poverty: A Relative and Relevant Measure.” May 2017, World Bank Policy Research Working Paper Series, no. 8073 (with Espen Beer Prydz, under review). Washington DC: World Bank.

“Do Different Types of Assets Have Differential Effects on Child Education?” May 2017, World Bank Policy Research Working Paper Series, no. 8071 (w Kashi Kafle and Alex Winter-Nelson, under review).

“A Global Count of the Extreme Poor in 2012: Data Issues, Methodology and Initial Results,” World Bank Policy Research Working Paper Series, no. 7432, 2015 (with Ferreira, F., Chen, S., Dabalén, A., Dihkanov, Y., Hamadeh, N., Jolliffe, D., Narayan, A., Prydz, E., Sangraula, P., Serajuddin, U., Yoshida, N.).

“Estimating poverty with panel data, comparably: an example from Jordan,” World Bank Policy Research Working Paper Series, no. 7373, 2015 (with Umar Serajuddin).

“Reaching Global Poverty Goals: How Does Purchasing Power Parity matter?” IZA Discussion Paper no. 9064, Bonn, 2015 (with Espen Beer Prydz; also released as World Bank Policy Research Working Paper Series, no. 7256, 2015).

“From Tragedy to Renaissance: Improving Agricultural Data for Better Policies” World Bank Working Paper Series, no. 7150 (with Gero Carletto and Raka Banerjee) January 2015, Washington, DC: World Bank.

“The Effect of SNAP on Poverty,” Institute for Research on Poverty Discussion Paper no. 1415-13, October 2013 (with Laura Tiehen and Tim Smeeding).

“Food Security and Wheat Prices in Afghanistan: A Distribution-sensitive Analysis of Household-level Impacts.” IZA Discussion Paper no. 6481, Bonn, 2012 (with Anna D’Souza).

“Conflict, Food Price Shocks, and Food Insecurity: The experience of Afghan households.” IZA Discussion Paper 6621, Bonn, 2012 (with Anna D’Souza).

“Overweight and Poor? The Relationship between Income and the Body Mass Index in the U.S.” IZA Discussion Paper no. 5366, Bonn, 2010.

“Rising Food Prices and Coping Strategies: Household-level Evidence from Afghanistan.” World Bank Policy Research Working Paper Series, no. 5466, Washington, DC, 2010 (with Anna D’Souza).

“Earnings, Schooling and Economic Reform: Econometric Evidence from Hungary (1986-2004)” IZA Discussion Paper no. 2678, Bonn, 2007 (with Nauro Campos).

Courses Taught

Econometrics for Cross-sectional and Panel Data (SAIS, Johns Hopkins, MA course, 2019, 20, 21)
Applied Econometrics for Practitioners (WBG-IIDS course, Kathmandu, 2018, 19)
Applied Econometrics (Adjunct Professor, SAIS, Johns Hopkins, MA course, 2005, 06, 07, 08, 09)
Quantitative Methods III (Adjunct Professor, GPPI, Georgetown University, MA course, 2003)
Econometrics II (Assistant Professor, CERGE, Charles University, Ph.D. course, 1999-2000)
Public Economics (Assistant Professor, CERGE, Charles University, Ph.D. course, 1999, 2000)
Quantitative Analysis (Lecturer, Woodrow Wilson School, MA course, 1991-92)
Applied Microeconomics (Lecturer, Woodrow Wilson School, MA course, 1991-92)
Industrial Organization (Lecturer, Woodrow Wilson School, MA course, 1991-92)

Fellowships, Awards and other Professional Activities

Fellow with the Global Labor Organization (GLO), 2017 - current
Research Fellow with the Institute for the Study of Labor (IZA), 2005 - present
Research Affiliate with the National Poverty Center at the University of Michigan, 2004 - 2016
Special Appointment, Graduate Faculty of Purdue University, Dept. of Ag. Economics, 2007 - 2012
Research Fellow with the William Davidson Institute at the University of Michigan, 1998 - 2010
Visiting Scholar, National Poverty Center, University of Michigan, September 2007
World Bank Faculty Research Fellowship, 1999 - 2000

Journal Referee

Agricultural Economics, American Journal of Agricultural Economics, Applied Economic Perspectives and Policy, Demography, Economic Development and Cultural Change, Economics and Human Biology, Economics of Transition, Empirical Economics, European Journal of Health Economics, Food Policy, Food Security, Health Economics, International Regional Science Review, Journal of Agricultural and Resource Economics, Journal of Comparative Economics, Journal of Comparative Economic Studies, Journal of Development Studies, Journal of Development Economics, Journal of Economic Inequality, Journal of the European Economic Association, Journal of Food Security, Journal of Human Resources, Journal of Population Economics, Obesity, Oxford Economic Papers, Pediatrics, Public Health Nutrition, Regional Studies, Review of Agricultural Economics, Review of Development Economics, Review of Regional Studies, World Bank Economic Review, World Development

Reviewer

University of Kentucky Center for Poverty Research Grant Program, 2014
Hunger in America, Feeding America, 2014
UK Dept for International Development (DfID) & Economic and Social Research Council, 2007, 11
USDA Food Assistance and Nutrition Program (FANRP) Competitive Grants, 2001, 02, 03, 05, 10
Global Development Network, Eastern & Central Europe, 2002, 03, 04, 05, 07, 08, 12, 13, 15
National Science Foundation, 2007
Routledge Press, UK, 2005
Health and Health Services Research Fund, Government of Hong Kong, 2004