

**Workshop on Impact Evaluation of Population, Health and Nutrition Programs
Accra, Ghana; July 18-29, 2016**

Recommended Web Sites and Readings

Useful web sites:

- **MEASURE Evaluation:** <http://www.cpc.unc.edu/measure/publications> This is a useful website for general M&E resources
- **The 3ie:** <http://www.3ieimpact.org/>
- **J-PAL:** <http://www.povertyactionlab.org/>
- **World Bank - Development Impact Evaluation Initiative:**
<http://web.worldbank.org/WBSITE/EXTERNAL/EXTDEC/EXTDEVIMPEVAINI/0,,menuPK:3998281~pagePK:64168427~piPK:64168435~theSitePK:3998212,00.html>
- **Evaluation at the World Bank:**
<http://web.worldbank.org/WBSITE/EXTERNAL/TOPICS/EXTPOVERTY/EXTISPMA/0,,menuPK:384336~pagePK:149018~piPK:149093~theSitePK:384329,00.html>

Others: Key readings,

<http://web.worldbank.org/WBSITE/EXTERNAL/TOPICS/EXTPOVERTY/EXTISPMA/0,,contentMDK:20215333~menuPK:451260~pagePK:148956~piPK:216618~theSitePK:384329,00.html>

Research & Outlook: <http://www.worldbank.org/en/research>

- **Independent Evaluation Group at the WB:** <http://ieg.worldbankgroup.org>
- **Development Effectiveness at the Inter-American Development Bank:**
<http://www.iadb.org/en/topics/development-effectiveness/development-effectiveness,1222.html>
- **DFID/UK AID:** <http://www.dfid.gov.uk/Global-Issues/Research-and-evidence/>

Useful readings

Fundamental Concepts on Monitoring and Evaluating Programs

- Bertrand J., R. Magnani, and N. Rutenberg. (1996). Evaluating Family Planning Programs with Adaptations for reproductive Health. The EVALUATION Project. MEASURE Evaluation.
- Bertrand J., Solis M. (2000). Evaluating HIV/AIDS Prevention Projects – A Manual for Nongovernmental Organizations. MEASURE Evaluation.
- Rossi, P; Freeman, H. & Lipsey, M. (2004). *Evaluation: A Systematic Approach*. Seventh edition. Sage Publications.

Good General Introductory Readings on Program Evaluation:

- Ravallion, Martin. (1999) "The Mystery of the Vanishing Benefits: An Introduction to Impact Evaluation." The World Bank Economic Review, Vol 15, No. 1, Pag. 115-140.
http://siteresources.worldbank.org/INTISPMA/Resources/383704-1130267506458/Mystery_Vanishing_Benefits.pdf
- Gertler, Paul, Martinez, Sebastian, Premand, Patrick, et.al. (2011). "Impact Evaluation in Practice." The World Bank. http://siteresources.worldbank.org/EXTHDOFFICE/Resources/5485726-1295455628620/Impact_Evaluation_in_Practice.pdf
- Khandker, Shahidur, Koolwal, Gayatri B., Samad, Hussain. Handbook on Impact Evaluation: Quantitative Methods and Practices. Oxford U. Press. 2010
<http://web.worldbank.org/WBSITE/EXTERNAL/TOPICS/EXTPOVERTY/EXTISPMA/0,,menuPK:384336~pagePK:149018~piPK:149093~theSitePK:384329,00.html>
- Lance, Peter, Guilkey, David, Hattori, Aiko, Angeles, Gustavo. (2014) "How do we know if a program made a difference? A guide to statistical methods for program impact evaluation." Chapel Hill, NC. MEASURE Evaluation.
<http://www.cpc.unc.edu/measure/publications/ms-14-87-en>
- Leeuw, Frans, Vaessen, Jos. (2009) "Impact Evaluations and Development – NONIE Guidance on Impact Evaluations." NONIE, Washington DC.
http://siteresources.worldbank.org/EXTOED/Resources/nonie_guidance.pdf
- Baker, Judy. (2000) "Evaluating the Impact of Development Projects on Poverty: A Handbook for Practitioners." Washington, DC: World Bank.
<http://web.worldbank.org/WBSITE/EXTERNAL/TOPICS/EXTPOVERTY/EXTISPMA/0,,contentMDK:20194198~menuPK:451260~pagePK:148956~piPK:216618~theSitePK:384329,00.html>
- Savedoff, William, Levine, Ruth, Birdsall, Nancy. (2006) "When will We Ever Learn?" Center for Global Development. Washington DC. <http://www.cgdev.org/content/publications/detail/7973>
- Ravallion, Martin. (2008) "Evaluating Anti-Poverty Programs." Handbook of Development Economics, Vol 4.
http://siteresources.worldbank.org/INTISPMA/Resources/383704-115333441931/Evaluating_Antipoverty_Programs.pdf
- Angrist, Joshua, Jorn-Steffen Pischke. (2008). "Mostly Harmless Econometrics." Princeton University Press.
- Angrist, Joshua, Jorn-Steffen Pischke. (2014). "Mastering 'Metrics: The Path from cause to Effect." Princeton University Press.
- Myoung-jae Lee (2005). Micro-Econometrics for Policy, Program, and Treatment Effects. Oxford University Press.

Evaluation Designs

- For experimental designs, it is useful to review the resources provided by the Poverty Action Lab website, in particular their section on "Methodology Overview" (<http://www.povertyactionlab.org/methodology>). You will see there a number of references and also a link for a free online short course on experimental designs.
- Bauman, K., C. Viadro and A. Tsui. (1994). *Use of True Experimental Designs for Family Planning Program Evaluation: Merits, Problems and Solutions*. International Family Planning Perspectives 20(3)
- Campbell, D. & Stanley, J. (1973). *Experimental and quasi experimental Designs in Social Research*. Ammorrotu Editores.

- Duflo E., R. Glennerster, and M. Kremer. (2006) "Using Randomization in Development Economics Research: A Toolkit." Available at: <http://www.povertyactionlab.org/sites/default/files/documents/Using%20Randomization%20in%20Development%20Economics.pdf>
- White, H. (2013) An introduction to the use of randomized control trials to evaluate development interventions. http://www.3ieimpact.org/media/filer/2013/01/15/working_paper_9.pdf
- Moffitt, Robert. (1991). *Program Evaluation with Nonexperimental Data*. Evaluation Review 15 (3) : 291-314.
- Rosenbaum P. *Observational Studies*, Springer. Chapter 2.
- Rosenzweig, M., and K. Wolpin, "Natural 'Natural Experiments' in Economics," *Journal of Economic Literature*, 38(4), 2000.
- Rubin DB. *Estimating Causal Effects of Treatment in Randomized and Non Randomized Studies*. Journal of Educational Psychology, 66 688-701, 1974.
- Duflo, E., M. Kremer (2003) "Use of Randomization in the Evaluation of Development Effectiveness," Proceedings of the Conference on Evaluating Development Effectiveness, July 15-16, 2003, World Bank Operations Evaluation Department (OED): Washington, D.C. (Available at <http://www.povertyactionlab.com/research/rand.php>).
- Duflo, E. (2003) "Scaling Up and Evaluation" Paper prepared for the ABCDE in Bangalore (May 21-22, 2003). (Available at <http://www.povertyactionlab.com/research/rand.php>).
- "Impact Evaluation and the Project Cycle." Doing Impact Evaluation Series No.1. Thematic Group on Poverty Impact Analysis, Monitoring and Evaluation. May 2006. (At: http://siteresources.worldbank.org/INTISPMA/Resources/383704-1146752240884/doing_ie_series_01.pdf)
- Thomas, D., Frankenber, E., Friedman J., (and 12 other authors) (2003) "Iron deficiency and the well-being of older adults: Early results from a randomized nutrition intervention." Manuscript. (At: http://emlab.berkeley.edu/users/webfac/emiguel/e271_s04/friedman.pdf)
- Deaton, Angus (2009). "Instruments of development: Randomization in the tropics and the search for the elusive keys to economic development." <http://www.microfinancegateway.org/p/site/m/template.rc/1.9.36524/>
- Duflo E. (2002). Empirical Methods. Handout. At, http://web.mit.edu/14.771/www/emp_handout.pdf

Power and sample size calculation

- Software for calculating sample size of multi-stage sampling designs:
University of Michigan: http://sitemaker.umich.edu/group-based/optimal_design_software

Regression Models for Impact Evaluation

- Angeles, G., D. Guilkey. *Methods for evaluating the impact of population, Health and Nutrition Programs*. MEASURE Evaluation. Class notes.
- Wooldridge Jeffrey M. (2008). *Introductory Econometrics: A Modern Approach*. 4rd edition
- Bollen, K., D. Guilkey and T. Mroz (1995). *Binary Outcomes and Endogenous Explanatory Variables: Tests and Solutions with an Application to the Demand for Contraceptive Use in Tunisia*. Demography 32:111-131.
- Hosmer, D. & Lemeshow, S. (2000). *Applied Logistic Regression*. Segunda Edición

- Heckman, J., R. LaLonde, and J. Smith (1999). "The Economics and Econometrics of Active Labor Market Programs," *Handbook of Labor Economics*, Vol. 3A, ch. 31, sect. 1-6.
- Angrist, J., and A. Krueger (2001). "Instrumental Variables and the Search for Identification: From Supply and Demand to Natural Experiments," *Journal of Economic Perspectives*, 15(4)

Multi-level Regression Models

- Von Korff, Koepsell, Curry and Diehr (1992) "Multi-level analysis in epidemiological research on health behaviors and outcomes." *American Journal of Epidemiology* 135(10)
- Diez-Roux (1998) "Bringing context back into epidemiology: variables and fallacies in multilevel analysis." *American Journal of Public Health* 88(2)
- Angeles, G. & Mroz, T. (2001). *A Guide to Using Multilevel Models for the Evaluation of Program Impacts*. MEASURE Evaluation.
- Angeles, G., D. K. Guilkey, T A. Mroz (2002). *The Impact of Community Level Variables on Individual Level Outcomes: Theoretical Results and Demographic Applications*. MEASURE Evaluation WP-02-50.
- Cameron A.C., Miller D. (2015) *A Practitioner's Guide to Cluster-Robust Inference*. *The Journal of Human Resources*, 50(2).

Propensity Score Matching

- Rosenbaum P. and Rubin D.B. (1983) The Central Role of Propensity Score in Observational Studies for Causal Effects. *Biometrika*, 70, 41-55
- Heckman J., Ichimura H., Todd P. (1998) *Matching as Econometric Evaluation Estimator*. *Review of Economic Studies*, 65, 261-294
- Heinrich C., Maffioli A., Vazquez G. (2010) *A Primer for Applying Propensity-Score Matching*. Inter-American Development Bank

Regression Discontinuity Analysis

- Imbens, Guido and Lemieux, Thomas (2007). "Regression Discontinuity Designs: A Guide to Practice," National Bureau of Economic Research, Inc, NBER Working Papers: 13039. Also at *Journal of Econometrics* 142: 615-635.
- Lee, David and Thomas Lemieux (2009). "Regression Discontinuity Designs in Economics." National Bureau of Economic Research; NBER Working Papers: 14723.
- Cook, Thomas (2007). "Waiting for Life to Arrive": A history of the regression discontinuity design in Psychology, Statistics and economics." *Journal of Econometrics* 142.
- Jacob, R., Zhu, P., Somers M., Bloom H. (2012). "A Practical Guide to Regression Discontinuity." MdrC. At: <http://www.mdrc.org/publication/practical-guide-regression-discontinuity>
- Klerman, J.A., Olsho, L., Barlett, S. (2015). "Regression Discontinuity in Prospective Evaluations: The Case of the FFVP Evaluation." *American Journal of Evaluation* 36(3).

Additional references

- Bertrand, M., Duflo, E., S. Mullainathan. (2004) "How Much Should We Trust Difference in Differences Estimates?" *Quarterly Journal of Economics* 119(1): 249-275
- Bollen, Glanville and Stecklov (1999) "Socioeconomic Status and Class in Studies of Fertility and Health in Developing Countries." MEASURE Evaluation Working Paper, wp-99-13
- Bollen, Glanville and Stecklov (2001) "Economic Status Proxies in Studies of Fertility in Developing Countries: Does the Measure Matter?" MEASURE Evaluation Working Paper, wp-01-38-en.
- Pritchett and Filmer (2001) "Estimating Wealth Effects without Expenditure Data--or Tears: An Application to Educational Enrollments in States of India." *Demography* 38(1):115-132, 2001.
- Kolenikov and Angeles (2004) "The Use of Discrete Data in PCA: Theory, Simulations, and Applications to Socioeconomic Indices." MEASURE Evaluation Working Paper, wp-04-85-en.
- Bertrand, M., Duflo, E., S. Mullainathan. (2004) "How Much Should We Trust Difference in Differences Estimates?" *Quarterly Journal of Economics* 119(1): 249-275
- Gertler P. and J. Molyneaux (1994) "How Economic Development and Family Planning Programs Combined to Reduce Indonesian Fertility." *Demography* 31(1)
- Angeles, G., D. Guilkey and T. Mroz (1998) "Purposive Program Placement and the Estimation of Family Planning Program Effects in Tanzania." *JASA* 93(443)
- Solon G, Haider S, Wooldridge J. (2013). "What are we weighting for?" NBER Working Paper 18859

Other readings

- Karlan, D. and J. Appel (2011) "More than Good Intentions: How a New Economics is Helping to Solve Global Poverty." Dutton, New York.
- Sachs, J. (2005) "The End of Poverty." Penguin, NY.
- Banerjee A. and E. Duflo (2011) "Poor Economics: A Radical Rethinking of the Way to Fight Global poverty" Public affrais.

Additional references on impact evaluation of HIV/AIDS programs

- De Walque D, Gertler P, Bautista-Arredondo S, Kwan A, et al. (2013) "Using provider performance incentives to increase HIV testing and counseling services in Rwanda." CEGA. Berkeley.
- Handa S, Halpern C, Pettifor A, Thirumurthy H. (2014) "The Government of Kenya's cash transfer program reduces the risk of sexual debut among young people age 15-25." *PLOS One*, Vol 9(1)
- Thirumurthy H, Pop-Eleches C, Goldstein M, Habyarimana J, Graff Zivin J. (2012) "Behavioral responses of patients in AIDS treatment programs: sexual behavior in Kenya." *Forum for Health Economics & Policy*; 15(2):1-29. Also, in
- Baird S, Garfein R, Mcintosh C, Ozler B. (2012) "Effect of a cash transfer programme for schooling on prevalence of HIV and herpes simplex type 2 in Malawi: a cluster randomized trial." *The Lancet*, vol 379.
- Kohler HP, Thornton R. (2011) "Conditional cash transfers and HIV/AIDS prevention: Unconditionally promising?" *The World Bank Economic Review*.

- Dupas P. (2005) "The impact of conditional in-kind subsidies on preventive health behaviors: evidence from Western Kenya." Manuscript.
- Thirumurthy H, Graff Zivin J, Goldstein M. (2008) "The Economic Impact of Aids Treatment; Labor Supply in Western Kenya." *Journal of Human Resources*, Vol 43, 3; pp. 511-552
- Dupas P. (2011) "Do teenagers respond to HIV risk information? Evidence from a field experiment in Kenya." *American Economic Journal: Applied economics* 3.
- Graff Zivin J, Goldstein M, Thirumurthy H. (2009) "AIDS treatment and intrahousehold resource allocations: children's nutrition and schooling in Kenya." *Journal of Public Economics*; 93: 1008-15.
- McCoy SI, Kangwende RA, Padian NS. (2010) "Behavior change interventions to prevent HIV infection among women living in low and middle income countries: a systematic review." *AIDS Behavior*, June 2010, vol14(3)
- Padian NS, McCoy SI, Balkus JE, Wassertheit JN. (2010) "Weighing the gold in the gold standard: challenges in HIV prevention research." *AIDS*, March 2010. 24(5).
- Padian NS, McCoy SI, Abdool Karim SS, Hasen N, Kim J, Bartos M, Katabira E, Bertozzi S. (2011) "HIV prevention transformed: the new prevention research agenda." *Lancet*, July 2011; 378(9787)

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