
GOLDBLOCKS RESOURCE

Resources for Data Collection and Storage



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FEBRUARY 2016



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Resources for Data Collection and Storage

Goldilocks has compiled this set of resources on data collection and storage to aid in the development of monitoring and evaluation plans. When used in conjunction with a solid theory of change, these resources can help to ensure the collection of credible, actionable, and transportable data.

The topics covered include:

- Designing survey instruments
- Generating credible survey questions
- Power calculations
- Using administrative data for evaluations
- Using mobile or paper-based surveys
- Data and code management

Title	Type	Topic	Audience	Level	What it is
<p>The Road to Results: Designing and Conducting Effective Development Evaluations. Chapters 6 - 10</p> <p>Linda G. Morra Imas, Ray C. Rist. Washington DC: The World Bank 2009.</p>	Guide	Data collection and analysis	Practitioners Evaluators	Basic understanding of evaluation	<p>Chapters 6 – 10 in this book detail the steps involved in designing an evaluation, from developing evaluation questions, to designing survey instruments, to conducting data analysis.</p> <p>These chapters round out the rest of the book, which covers the history and theory of impact evaluation, the planning stages, and practical aspects of managing an impact evaluation.</p>
<p>Impact Evaluation in Practice. Chapter 12</p> <p>Paul Gertler, Sebastian Martinez,</p>	Guide	Data collection	Practitioners Evaluators	Basic understanding of evaluation and statistics	Chapter 12 focuses on data collection for impact evaluation. It discusses decisions about outsourcing data collection or using an internal team, designing and testing the

Patrick Premand, Laura B. Rawlings, and Christel M. J. Vermeersch. The World Bank.					survey, conducting fieldwork, and performing quality checks. This chapter is part of a larger book on impact evaluation, which is very accessible and non-technical.
Survey Fundamentals: A Guide to Designing and Implementing Surveys 2010. Office of Quality Improvement, University of Wisconsin-Madison	Guide	Data collection	Practitioners Evaluators	Introductory	This guide provides a good introduction to the design and implementation of surveys. It covers topics like writing survey questions, pre-testing survey instruments and training enumerators, and coding and analyzing surveys. While not a comprehensive guide, it is a good starting point and contains a list of resources for more depth.
Designing household survey questionnaires for developing countries: lessons from 15 years of the Living Standards Measurement Study Margaret Grosh and Paul Glewwe. Washington, D.C. : The World Bank.	Guide	Data collection	Evaluators	Intermediate-advanced knowledge of evaluation and statistics	This three-volume book provides detailed information on how to design and conduct household surveys. Volume 1 covers survey design and discusses measurement of core modules, such as consumption, education, health, employment, and savings. Volume 2 covers other modules, like savings, credit, environmental issues, and discusses analysis and econometric models. Volume 3 provides draft questionnaire modules.
How to Do Power Calculations in Optimal Design Software J-PAL	Guide	Power Calculations	Practitioners Evaluators	Basic knowledge of statistics	This guide, part of a J-PAL course on evaluations, teaches readers how to use Optimal Design software to determine the required sample size for an evaluation. Using the software, readers work alongside the text for interactive learning.
Reproducible Research: Best Practices for Data and Code Management	Guide	Data Management	Evaluators	Advanced knowledge of data analysis	This guide outlines best practices for proper data and code management, including documentation and security. While this resource aims to help advanced users

Harrison Diamon Pollock, Erica Chuang, and Stephanie Wykstra. Innovations for Poverty Action, Nov 15 2015					produce transparent, reproducible resource, its guidelines on documenting and managing data and code may be useful for advanced practitioners and evaluators.
Using Administrative Data for Randomized Evaluations Laura Feeney, Jason Bauman, Julia Chabrier, Geeti Mehra, Michelle Woodford. JPAL, 2016	Guide	Data Collection and Management	Evaluators	Intermediate knowledge of data collection and analysis	This in-depth guide walks readers through the process of using administrative data in randomized evaluations. While it is geared at intermediate and advanced evaluators and targeted at randomized evaluations, a number of topics—such as finding administrative data, the cost of this data, linking administrative data to other records, and data security—are broadly applicable.
A Mobile in Every Pocket: What Does It Mean for M&E? Asim Fayez and Guillaume Kroll. CEGA, 2016	Article	Data collection	Practitioners Evaluators	Basic knowledge of surveys	This article describes the current state of mobile data collection. It highlights the potential and drawbacks of mobile data collection as part of an M&E strategy, and suggests things to keep in mind when deciding whether to use mobile or paper-based data collection.
Mobile-Based Technology for Monitoring and Evaluation Fielddata.org, J-PAL South Asia/CLEAR South Asia, Innovations for Poverty Action.	Guide	Mobile Data Collection	Practitioners Evaluators	Basic knowledge of data collection	This guide helps practitioners evaluate whether mobile data collection is a right fit for their organizations. It guides readers through the decision to use mobile data collection, walks through the components of a mobile data collection system, and highlights best practices for implementation.
Using Mobile Phones in Data Collection: Opportunities, Issues and Challenges Michael Trucano. EduTech (blog), World Bank, 4/18/2014	Blog	Mobile Data Collection	Practitioners Evaluators	Basic knowledge of data collection	This blog post provides a simple overview of the opportunities for and challenges to using mobile phones in data collection.