



Data management and Statistics

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Contents

Part I. Data management


- ▶ Research protocol
- ▶ Data Management Strategy
- ▶ Data Management Policies, Plan and Budget
- ▶ Data ownership
- ▶ Data and Document storage. Dataverse, CGSpace
- ▶ Archiving and Sharing

Part II. Statistics

- ▶ Plan of analysis
- ▶ Using SPSS, STATA, R

Part III. Surveys

- ▶ Organizing surveys
- ▶ Data entry: CPro versus ODK



This presentation was prepared on the base of the document **“CCAFS Data Management Support Pack”**, which was produced by SSC, University of Reading, UK

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Part I

Data Management




Research protocol



Research protocol – a written document, which detail exactly how the research activity will be carried out.


Producing a research protocol should be one of the first activities when you are planning your project.



Data Management Strategy



Produce high quality, reusable and open data from research activities

- ▶ Accessibility and Open Access
 - ▶ Ease of use
 - ▶ Facilitating increased collaboration
 - ▶ Ethical use and sharing of data
 - ▶ Provision of support for data generators
 - ▶ Adherence to international standards for data storage
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Data Management Policies, Plans and Budget

- ▶ Developing a Data Management Policy and Plan
- ▶ Allocation of resources to data management, including financial resources, time, skills and equipment.

Data Ownership

- ▶ Owner of the data is the Program (CRPDS)
- ▶ Researcher will be the author of the data



Data and Document Storage



A Data Document Storage Facility (DDS) is basically an area where project data and documents are stored together with the rules that enable a team to use it effectively.

- ▶ Dataverse
 - ▶ CGSpace
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Archiving and Sharing



- ▶ Principles of archiving and sharing data, including Open Access, which is now official CGIAR policy.
 - ▶ Before data are archived they need to be adequately documented; such documentation is often called the “metadata”.
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Part II. Statistics

- ▶ Plan of Analysis
- ▶ SPSS, STATA, R



Part III. Surveys

- ▶ Organizing surveys: Preparing Analysis Plan
 - ▶ Purpose
 - ▶ Types of indicators
 - ▶ What should include this report
 - ▶ To whom to present the report
 - ▶ Making summaries to present
- ▶ Data entry: CPro, ODK, MS Excel, MS Access
- ▶ Analyze a survey results on the basis of Analysis Plan

