



# **Microdata Dissemination National Statistics Office Philippines**

**The Tenth Management Seminar for the Heads of  
National Statistical Offices in Asia and the Pacific**

**Chiba, Japan  
7 December 2011**



# Outline

1. Macrodata vs. microdata
2. Categories of microdata according to source
3. Microdata Dissemination:
  - Public Use Files
  - Licensed Files
  - Current Activities
4. Future Plans (2012)

# Microdata vs. Macrodata

MICRODATA	MACRODATA
<b>Data at the level of the individual respondents</b> <b>Also known as raw data</b>	<b>Aggregated or summarized data</b>
<b>Sought by private users including academic community</b>	<b>Commonly used by government planners</b>
<b>Tables, graphs or charts are not readily available but can be generated. Users can generate their own data need (tables, graphs or charts).</b>	<b>Data use is limited to the information provided in the table, graph or chart.</b>
<b>Users can do more in-depth analyses such as regression, correlation, factor and other statistical analyses.</b>	<b>Analyses can only be based on the summarized or aggregated information available.</b>



# Categories of NSO Microdata According to Sources

## - Surveys

Labor Force Survey, Family Income and Expenditure survey, Annual Survey of Philippine Business and Industry, etc.

## - Censuses

Census of Population and Housing, Census of Agriculture, Census of Fisheries, Census of Philippine Business and Industry

## - Administrative Registration System

Civil Registration documents, Building permits, Import and Export documents, Domestic Trade documents



## **Microdata Dissemination**

### **- Public Use File (PUF)**

**Anonymised microdata files  
characterized by a low disclosure risk**

**Available to all interested users, for  
research and statistical purposes only**

**Data user must adhere to some easy-  
to-meet conditions set by the NSO**



## Microdata Dissemination

### - Public Use File (PUF) *(Continued)*

Data preparation includes:

Removing direct identifiers

If applicable, application of other anonymisation techniques such as top and bottom coding, variable suppression, etc.

Suppressing geographic ID below domain level

Subsetting

Creation of derived variables



## **Microdata Dissemination**

### **- Public Use File (PUF) *(Continued)***

**Documentation includes:**

**Use of international standards (DDI/DC) for preparing metadata**

**Compilation of documents used in all stages of data collection, processing and dissemination**

**Adoption of set of standards for document versioning, file naming, access policy, etc.**



## Microdata Dissemination

### - Public Use File (PUF) *(Continued)*

Documentation includes:

Use of IHSN Microdata Management Toolkit

Sample of well documented PUFs are available from the following link/URL:

<http://www.census.gov.ph/nsoda/?page=home.html>





# □ Public Use File (PUF) *(Continued)*

**First PUF was created in the late 80's for the 1985 Family Income and Expenditure Survey**

**To date, almost 100 PUFs have been created by NSO, Philippines**



## Microdata Dissemination

### □ Public Use File (PUF) *(Continued)*

Users include academic community, government planners, market analysts both local and international

- PUFs are available only for household-based surveys and censuses



## **Microdata Dissemination**

- **Licensed File (aka Customized Data File)**

**Semi-anonymised microdata files characterized by medium disclosure risk**

**Available only to external trusted users, for research and statistical purposes only**

**Requests are evaluated by a Microdata Release Panel**



## Microdata Dissemination

- **Licensed File** *(Continued)*

**Includes:**

**Linked or merged Files**

**Panel or time-series data, and**

**Longitudinal data**

**Data with geographic ID below domain level**

- **Users are mainly those in the academic community**



## **Microdata Dissemination**

- **Current Activities**

- **Development of “Microdata PUF Creation” tutorial in collaboration with the Accelerated Data Program**

**Will be available off-line and on-line  
Tutorial has been tested by two local  
statistical agencies**

**For deployment in the 1<sup>st</sup> semester of 2012**



## **Microdata Dissemination**

### **Future Plans (2012)**

#### **Data Enclave**

#### **Establishment-based Surveys and Censuses**

**For particularly sensitive data with easy  
identification of respondents**



## **Microdata Dissemination**

### **Future Plans (2012)**

#### **Data Enclave**

**Service offered to users under strict conditions**

**Equipped with computers without internet connection and without drives (CD/USB)**

The background features a stylized globe with a grid of latitude and longitude lines. The globe is rendered in shades of blue and white, with a glowing effect. The grid pattern is more prominent on the left side, transitioning into a smoother, glowing globe on the right. The overall color scheme is dominated by various shades of blue, from deep navy to bright cyan and white highlights. The text "Thank You!" is centered over the globe.

Thank You !