Overview of the UNFPA Register-Based Census eLearning Course: Course Structure

Ian White

Acknowledgements

Course materials developed by:

- Ian White
- Helge Brunborg
- Nancy McBeth
- Diana Beltadze

Presentation prepared by: Ian White

Course Overview

Session 1: Introduction to the Register-Based Census

Session 2: Preconditions and Operational Requirements for a Register-Based Statistical System

Session 3: The Key Registers

Session 4: Transitioning to a Register-Based or Combined Census

Session 5: Producing a Good-Quality Census using Administrative Data

Session 6: International Case Studies

Transitioning to a Register-Based Census Session 1: Introduction to the Register-Based Census

START COURSE

Lesson 1.1: Definitions

- Types of census
- Types of registers

Lesson 1.2: Using administrative data in the census

Constructing sampling frames

Supporting field operations

Assessing quality of census estimates

Constructing a population register

Replacing or creating new census variables

Lesson 1.3: Advantages and Challenges

Advantages

- Reduced costs
- Improved timeliness
- Improved coverage and reduced response burden
- Shortened census periodicity
- Greater flexibility and responsiveness
- Increased the opportunities for innovation
- Improved coherence through in-house cooperation

Challenges

- Increased dependence on public authorities
- Differences in concepts, definitions and reference periods
- Privacy and security concerns
- Lack of a unified identification system
- Difficulty in identifying small sub-populations
- Difficulty in keeping knowledge and IT infrastructure up to date
- Diminishing interest

Transitioning to a Register-Based Census Session 2: Preconditions and Operational Requirements
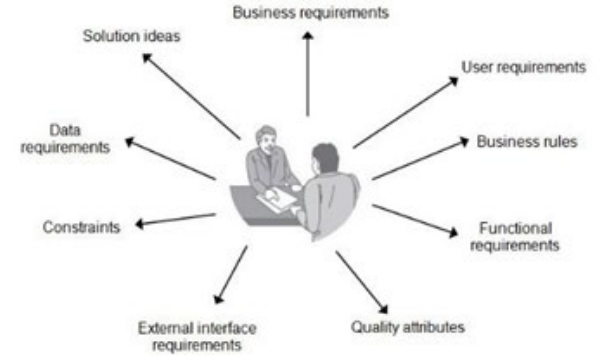
START COURSE

Lesson 2.1: General preconditions

Legal framework

Stakeholder and Political Support

Resources and Expertise

Lesson 2.2: Operational requirements, methods and processes

Appropriate Data Sources

Transformation Methods

Data protection methods and systems

Transitioning to a Register-Based Census Session 3: The Key Administrative Registers

START COURSE

Lesson 3.1: Type of Registers
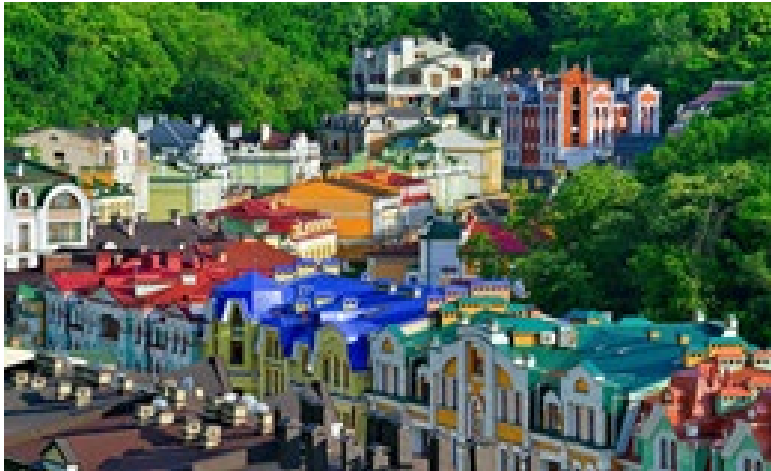
- Base Registers
- Supplementary Registers

Lesson 3.2: Population Registers

Lesson 3.3: Other base registers

- Building and dwelling registers
- Address registers
- Business registers
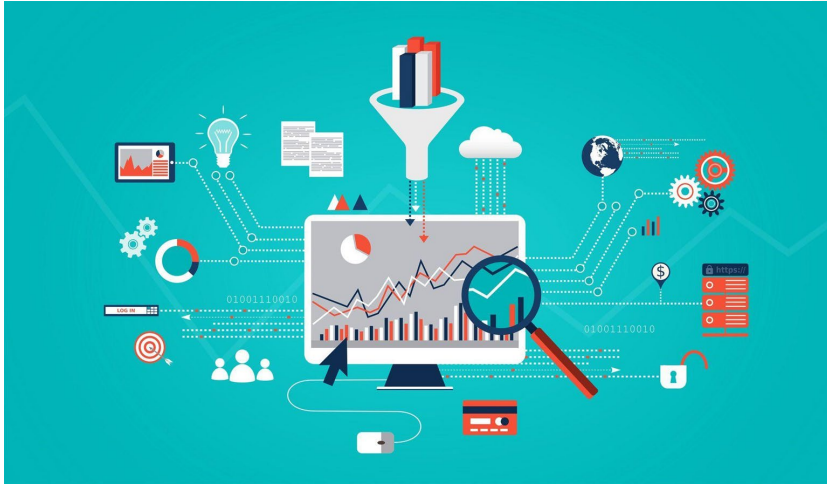

Lesson 3.4: Supplementary registers and PINs

Register-Based Census Session 4: Transforming data taken from Administrative Registers in Statistical Registers

START COURSE

**Lesson 4.1:
Statistical Registers**

**Lesson 4.2: Addressing items
not available from registers**

Lesson 4.3: Linking unit level records from different data sources

Lesson 4.4: Other processes involved in constructing and maintaining a Statistical Register

- Removing duplicate data
- Resolving conflicting information
- Updating
- Editing and imputation

Lesson 4.5: Quality Improvement

Register-Based Census Session 5: Producing a Good-Quality Census from Data Registers

START COURSE

Lesson 5.1: The five key dimensions of data quality

Dimension 1: Relevance
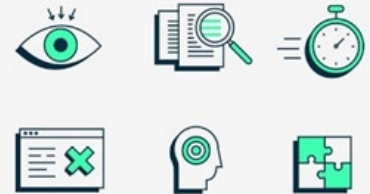
Dimension 3: Timeliness and Punctuality

Dimension 5: Accessibility and Interpretability

Dimension 2: Accuracy and Reliability

Dimension 4: Coherence and Comparability

Lesson 5.2: The four stages of assessing data quality

Stage 1: Source quality

Stage 2: Input Data Quality

Stage 3: Data Processing Quality

Stage 4: Output Data Quality

Register-Based Census Session 6: Country Examples and Institutional Resources

START COURSE

Bahrain

Estonia

Norway

New Zealand

South Korea

Links to other useful information

- [UNECE Guidelines on the use of registers and administrative data for population and housing censuses](#)

- [UNSD Handbook on Register-Based Population and Housing Censuses](#)

- [UNECE Guidelines for Assessing the Quality of Administrative Sources for Use in Censuses](#)

- Glossary of terms and definitions

UNFPA

Register-Based Census
Session 7: Course Assessment

20 minutes

START

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Questions and Discussion