Workshop on Demographic Analysis and Population Projections

Introduction and Installation of Software for Demographic Analysis
Workshop Overview

• Part 1:
  – Provides training in the production of estimates of demographic parameters and the evaluation of data quality
  – Spreadsheet package Population Analysis System (PAS)
  – *Population Analysis with Microcomputers* (manual)
  – United Nations package Mortpak
  – Selected other software.

• Part 2:
  – Preparation of cohort-component projections using inputs prepared in the first part
  – Demographic Analysis and Population Projection System (DAPPS) program,
  – Subnational Projections Toolkit (SPToolkit)
Functional projections and future population profile

Evaluation and estimation of age-sex structure, mortality, fertility, and migration

Population projection

Functional projections and future population profile
Population Analysis with Microcomputers manual

United Nations software: MORTPAK

PAS and PASEXNew software

CSPRO software

DAPPS/RUP software

Evaluation and estimation of age-sex structure, mortality, fertility, and migration

Population Projection

Functional projections and future population profile

Population profile

Population studies
Goals of Demographic Analysis and Population Projections Workshop

1. You understand basic concepts to make sense of your demographic data – balancing equation, intercensal comparisons, reporting completeness, etc.

2. Become more familiar with software to make estimates from population censuses and surveys (population data by age & sex, fertility, mortality, and migration) and use those estimates in making population projections

3. You feel more confident to choose among analytic techniques to evaluate demographic data and make best estimates and projections
U.S. Census Bureau Software

- PAS… and NewPAS
- DAPPS
- SPToolkit (including RUP and RUPAGG)

http://www.census.gov/population/international/software/
Software Installation: Step One

• Move to pdf file for US Census Bureau Tools Installation

[Link to USCBToolsInstall.pdf]
Further Resources

After installation, you can find the documentation for PAS, RUP, and SPToolkit in the folder:
\US Census Bureau Tools\Documentation
PASEX New

• Unzip the PASEXNew file that you downloaded from the link

• Copy the PASEXNew folder to where you saved the PAS templates (You can find the location by pressing the “SET UP USCB” button.)
  – Example:
    • C:\...\...\US Census Bureau Tools\Templates\
More Software

• MORTPAK
  – United Nations Population Division

Install Mortpak

- Navigate to the **Software** directory
- Double click on the “setup.exe” file and follow the directions.
DAPPS

• We will install DAPPS later in the week