IPUMS Time Use Workshop
IATUR 2018

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Introduction
IPUMS Time Use Origins

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IPUMS Time Use Archives

ATUS-X, AHTUS-X, MTUS-X
THREE RESOURCES TO STUDY TIME USE.

These projects provide free individual-level time use data for research purposes. The data extract systems make it easy to create data sets containing time use and other variables a user needs.

**ATUS**
AMERICAN TIME USE SURVEY EXTRACT BUILDER

Annual American Time Use Survey (ATUS) data from 2003 forward.

GET DATA

**AHTUS**
AMERICAN HERITAGE TIME USE STUDY EXTRACT BUILDER

Historical American time use data since 1965 harmonized for comparison over time, including the ATUS samples.

GET DATA

**MTUS**
MULTINATIONAL TIME USE STUDY EXTRACT BUILDER

MTUS is a project dedicated to making it easy for researchers to use data from around the world.

GET DATA
IPUMS Time Use

• American Time Use Survey Extract Builder (ATUS-X)
  • 2003+ data on time use in the U.S.
• American Heritage Time Use Study Extract Builder (AHTUS-X)
  • 1965-2012 data on time use in the U.S.
• Multinational Time use Study Extract Builder (MTUS-X)
  • international data on time use available in partnership with the Centre for Time Use Research, University of Oxford, Oxford, UK.

• Key differences
  • Contents (countries, years of data)
  • Variable coding
What we do?

- 1980 – the beginning of MTUS
- 1965 – oldest dataset
- 2014/2015 - most recent dataset
Data acquisition

- Formalities
- Limitations to dissemination
- How about getting your own data?
Data formats

- Wide slot
- Stacked slot

- Wide episodic
- Stacked episodic

+ some other formats
Harmonization

- Activities
- Background variables
MTUS-X

• Multinational Time use Study Extract Builder (MTUS-X)
  • International data on time use available in partnership with the Centre for Time Use Research, University of Oxford, Oxford, UK.
Currently Available via MTUS-X

- Austria
- Bulgaria
- Canada
- Finland
- France
- Hungary
- Israel
- Netherlands
- Spain
- United Kingdom
- United States
Planned Additions to MTUS-X

- Brazil
- Germany
- India
- Italy
- Mexico
- South Africa (2)- 2019
- South Korea (3)- 2019
- Turkey
MPC IPUMS Time Use Initiatives

Sarah Flood
Web-Based Data Access System

• Lowers barriers to access and simplifies use of complex time diary data

• Delivers
  • CTUR-harmonized data
  • Customized data extracts
  • User-defined time use variables
  • Dataset and variable-level documentation
  • Variable-level frequencies
Customized Data Extracts

• Easily combine data from multiple countries and years
• Include only the variables you need for your analysis
  • Sociodemographic characteristics of individuals and households
  • User-defined measures of time in specific activity aggregations (e.g. time use variables)
• Choice of multiple formats
• IPUMS saves extract definitions for easy revision
Creating Time Use Variables

• Key feature of IPUMS Time Use

• Researchers
  • Summarize time use from the time diary as they wish
  • Avoid manipulating diary data

• System
  • Creates time use variable for each diarist based on researcher definitions and puts on diarist records
  • Saves variable definitions for future use
What is a time use variable?

- Number of minutes per day (0-1440) in specific activities
- Summarize time across the day based on
  - Primary and secondary activities
  - Location
  - Time of day
  - With others
- More restrictions=fewer people who will have done the activity given the constraints
Work Time Use Measures

• Paid work
  • Employment
  • Job commute?
  • Education related to work?

• Unpaid Work
  • Housework
  • Care Work
  • Volunteering?

• Can differentiate by when and where people work
Additional MPC Responsibilities

• Maintain and support IPUMS Time Use systems
• Add more CTUR data to MTUS-X
• Develop and support online data analysis capabilities
• Email helpline: ipums@umn.edu
Overview: Comparative Time-Diary Research

Liana C. Sayer, UMD
Comparative & Historical Analyses

• Cultural & Economic Transformations impact individual family lives
  • Gershuny 2000
    • 3 convergences: nation, gender, class
    • Declining paid work + more leisure
  • Bianchi, Robinson, Milkie 2006
    • Growing inequality in family time budgets
    • More time with children
      • Less time for adult leisure, sleep
Gendered Division of Labor

- Stalled (?) Gender Revolution Literature
  - Craig 2007; 2006; Craig & Mullan 2012; 2011; Kan, Sullivan & Gershuny 2011; Hook 2010; 2006; Sayer & Gornick 2011; Sullivan 2013; 2011; 2006; Sullivan, Gershuny, Robinson, 2018; Treas & Drobnic 2010
- Women changed time use patterns more than men
- Significant cultural variation
  - In work-family arrangements of parents w/young children
  - In levels of housework and child care
  - In men’s involvement in housework and child care
- Inequalities in workloads for “Second Shift” mothers
- Gendered D of L varies by education
- Still unknown: Why did gender revolution stall in 1990s?
Stalled Gender Revolution Questions

- **Workload**
  - Objective: paid + unpaid

- **Time Pressures**
  - Feelings: rushed, stressed, overloaded

- **Family Well-Being**

- **Gender Inequality**
Leisure

- Less total but more quality leisure for highly educated (Gershuny 2000; Sevilla, Gimenez-Nadal, & Gershuny, 2012; Sayer 2018)
- Cross-national variation in influence of structural and cultural factors on leisure time and type
  - Linked with educational gradient in parenting practices (Altintas 2016; Pepin, Sayer, & Casper 2018; Craig & Mullan 2013; 2012);
Women’s Leisure

- Fragmented leisure
- Multitasking leisure
- More frequent activity “switches”
- More stress
Navigating MTUS-X

Sarah Flood, MPC
Online Demo

- Registration
- Viewing documentation
- Making an extract
- Creating a time use variable
- Downloading data
- Getting help
MTUS-X Practice
MULTINATIONAL TIME USE STUDY EXTRACT BUILDER

MTUS is a collection of time diary data from a growing number of countries that are harmonized for compatibility across time and space. MTUS-X is a data extract builder that allows users to create custom time use variables and data extracts for analysis. This project is a collaboration of the Minnesota Population Center, the Maryland Population Research Center and the Centre for Time Use Research.

TIME IS OUR SCARCEST RESOURCE...USE IT WISELY!

CREATE AN EXTRACT

- OTHER TIME USE EXTRACT BUILDERS -

WHAT IS IPUMS?

IPUMS provides census and survey data from around the world integrated across time and space. IPUMS integration and documentation makes it easy to study change, conduct comparative research, merge information across data types, and analyze individuals within family and community context. Data and services available free of charge.