Linking IPUMS Time Use & CPS ASEC Data to Study Health & Well-Being

Organizers

- Sarah Flood, IPUMS, University of Minnesota, floo0017@umn.edu
- Liana C. Sayer, Maryland Population Research Center, University of Maryland, lsayer@umd.edu (primary contact)

Workshop objectives, goals, and expected outcomes

Our goal for this workshop is to promote awareness of and expertise in linking American Time Use Survey (ATUS-X) data with the Current Population Survey Annual Social and Economic Supplement (CPS ASEC). The emphasis of the workshop will be on the utility and mechanics of linking ATUS and ASEC data for the study of health and well-being. We plan to meet this goal through the following objectives:

- **Overview of IPUMS Time Use.** Provide concise overview of the ATUS-X, one of the three databases available through the IPUMS Time Use Archive. The ATUS provides current U.S. data on the type and context of daily activities, well-being, life satisfaction, self-rated health, health behavior measures, and sociodemographic data on respondents and household members.

- **Overview of the ASEC.** Provide concise overview of ASEC data structure and content. The ASEC contains individual and household data on program participation, taxes, earned income, income transfers, including supplemental poverty measures, disability, health, and migration.

- **Overview of Linking ATUS and ASEC.** All ATUS respondents previously participated in the CPS, which means that information from the two surveys can be combined. The overview will inform users on how and why they might want to combine data from the ATUS and ASEC. We will present highlights from research using linked ATUS and ASEC data to convey the value of using these data together.

- **Guided tour of IPUMS Time Use and IPUMS CPS data extraction systems.** IPUMS Time Use facilitates researcher access to rich time diary activity files and allows researchers to request customized data files in a variety of formats. IPUMS CPS facilitates access to monthly CPS data and topical supplements. We will briefly introduce participants to the two systems.
Demonstrate use of CPSIDP to link ATUS and CPS ASEC data. IPUMS harmonizes and delivers both ATUS and CPS data. Both databases contain a linking key, CPSIDP, to simplify merging ATUS and the CPS data. The workshop will cover the kinds of linking decisions researchers need to make (most recent or earlier data from CPS rotation pattern), sample selection (keep respondents where ATUS sample month corresponds with CPS ASEC month), combining the files using CPSIDP, validating links, and weighting.

Hands-on exercise linking ATUS-X with ASEC. Workshop leaders will guide participants through a hands-on exercise that will retrieve data from both IPUMS Time Use and IPUMS CPS and link ATUS respondents with the ASEC. Workshop participants will receive additional training exercises and resources for linking ATUS and CPS.

Individual consultations with IPUMS Time Use and IPUMS CPS experts.

Our expected outcomes of the workshop are:

- Learn about the breadth and depth of data available through IPUMS Time Use and IPUMS CPS.
- Learn about research using linked IPUMS Time Use and IPUMS CPS ASEC data to analyze health and well-being.
- Learn about the IPUMS Time Use and IPUMS CPS web-based extract systems.
- Learn about the complexities of linking ATUS and CPS ASEC data.
- Get hands-on experience using IPUMS Time Use and IPUMS CPS to create custom extracts that may be linked together to answer novel research questions.
- Consult with IPUMS Time Use workshop presenters on specific research topics.

Statement of how workshop will benefit attendees

The IPUMS Time Use workshop will benefit PAA attendees in four ways. First, using time use data to analyze demographic research topics is of interest to PAA attendees. In 2019 there were X papers and X posters on time use. This workshop will raise awareness about the benefits of linking ATUS and CPS ASEC data to investigate health and well-being. Linkages between the ATUS and CPS represent a major opportunity for the research community to conduct novel research on important topics. Our workshop focus is intended to generate ideas using these data on topics related to health and well-being. Second, we will provide a concise overview of the ATUS and the CPS ASEC as key data sources for time use research on health and well-being. We will briefly emphasize the integration and harmonization work that make these data easier to use and analyze. Third, new and experienced IPUMS Time Use investigators will benefit with a guided introduction and hands-on experience on linking the ATUS with CPS ASEC using the IPUMS Time Use and IPUMS CPS web-based systems. New and even more experienced users may be overwhelmed by the different topical and temporal coverage of the ATUS and CPS ASEC, complexities of linking ATUS data collected on an ongoing basis with the CPS ASEC data collected annually, and
differences between the ASEC and monthly March data. Last, workshop participants will develop familiarity and expertise in linking individuals across the ATUS and the ASEC through the hands-on exercises and by consulting with IPUMS Time Use workshop presenters about specific research questions.

**Target audience and estimated number of participants**

Our target audience is any researcher – graduate student, faculty, non-academic researcher – who is interested in learning more about using linked ATUS and CPS data to study health and well-being and the data available via IPUMS Time Use and IPUMS CPS.

Minimum # of participants - 10
Maximum # of participants - 25

**Preferred date**

1. Wednesday, April 22nd, afternoon
2. Tuesday, April 21st afternoon

**Proposed workshop duration, format, activities, and schedule**

We plan to hold a 1/2 day workshop with multiple formats including lecture, guided website tour, hands-on practice, and one-on-one consultations (details follow).

1. Introductions: 15 minutes
2. Overview of IPUMS Time Use and IPUMS CPS (lecture): 30 minutes
3. Overview of time-diary based data and linking ATUS and ASEC data (lecture): 45 minutes
4. Break: 15 minutes
5. Navigating IPUMS Time Use and IPUMS CPS data extraction systems (web-based tour and participant practice): 30 minutes
6. Hands-on exercise linking ATUS and ASEC: 60 minutes
7. Hands-on analysis of linked ATUS and ASEC data (participant practice) and consultations with IPUMS Time Use experts (one-on-one): 45 minutes

**Short biographical sketches of presenters**

Sarah Flood is the Director of US Surveys at the IPUMS Center for Data Integration at the University of Minnesota. She is Co-Principal on the NICHD-funded effort to broaden access to and simplify use of time diary data for the study of health and well-being (www.ipums.org/timeuse.shtml). She is also Co-Principal on the NICHD-funded effort to
streamline access to the CPS and facilitate research leveraging the panel component of the CPS (www.cps.ipums.org). She has conducted numerous workshops and given dozens of presentations on using time diary data for demographic research and using the CPS as a panel. In addition to building and maintaining population data infrastructure, Flood is a social demographer whose research at the intersections of work, family, time use, and well-being across the life course has appeared in *Demography, American Sociological Review, Journal of Marriage and Family, Journal of Health and Social Behavior, The Journals of Gerontology*, and *Journal of Social and Economic Measurement*. Flood’s CV can be viewed [here](#).

Liana C. Sayer is Professor of Sociology, Faculty Affiliate of the Maryland Population Research Center, and Director, Maryland Time Use Laboratory, at the University of Maryland. Sayer’s research examines how women’s and men’s paid work, household and care work, and leisure time vary over time, place, and generation, and how these patterns are linked with changes in family, workplaces, policies, and values. With comparative analyses of time diary data that provide detailed accounts of people’s daily activities and social engagement, Sayer documents how time use is a key pathway of reinforcing and reconfiguring gender, race and SES inequality. Sayer’s work has been published in numerous journals, including *Demography, Journal of Marriage and Family, European Sociological Review, Social Forces*, and *American Journal of Sociology*. Sayer’s CV can be viewed [here](#).