Introduction to ATUS-X Extract Builder

ATUS-X
American Time Use Survey Extract Builder

What the ATUS-X does

Makes complex time diary data from the ATUS easier to use

- Available for free online
- Easy to use
  - Simplify use of complex data
  - Time use variable creation
- Comprehensive online documentation
- Integration makes analyzing change over time easier
- Data extract system allows you to specify years and variables relevant to your research
- Datasets are available in the main Statistical Packages
- User support is available by e-mail to help you as needed

Plan for this session

- Web-based dissemination system demo
  - Step 1: choosing years, people, data format
  - Step 2: selecting Household and Person level variables
  - Step 3: selecting Activities and Who level variables
  - Step 4: creating and selecting time use variables
  - Step 5: reviewing and submitting extracts
  - Step 6: downloading and revising extracts
  - Managing time use variables

- More information on selected topics
  - Types of people in the data
  - Rectangular versus hierarchical data
  - Integration: why we do it and how it relates to the user experience
  - ATUS versus CPS variables
  - Using the FAQ as a reference

www.atusdata.org

ATUS-X
American Time Use Survey Extract Builder

Home | My ATUS | FAQ | Help | Login | Search ATUS-X | Go

PROJECT
About ATUS-X
About ATUS
Citation and Use

DATA
Build an Extract
Download/Revise Extracts
Time Use Variables
Linked CPS Supplements

DOCUMENTATION
Samples
User's Guides
Questionnaires

USER RESOURCES
FAQ
User Forum
Bibliography
Revisions

American Time Use Survey Data Extract Builder

ATUS-X is a project dedicated to making it easy for researchers to use data from the American Time Use Survey (ATUS). The ATUS is an ongoing time diary study that is funded by the U.S. Bureau of Labor Statistics and fielded by the U.S. Census Bureau. The goals of the ATUS-X project are:

- To collect and preserve ATUS data and documentation
- To harmonize the data from different years of data collection
- To make it easy to create data files containing the ATUS variables a user needs

Time is our scarcest resource...use it wisely!

New Users
Create an ATUS-X Account
Navigating the Site

ATUS-X News
2014 Conference and Workshop
Well-Being Weights
2012 data
Release Plans
Metabolic Equivalent Values for Activities

MPC Data Projects
IPUMS-CPS and others

Funding provided by:

Economic Research Service

Supported by:

MPC
Minnesota Population Center

Maryland Population Research Center

American Time Use Survey Extract Builder

Register required

- Free

- It is necessary to submit extracts

- Provide information about your affiliation

- Short description of your research interest

- Login is also necessary to create TUV

- New user can Login automatically after registering, you don't have to wait for approval

Types of People

- ATUS respondents
  - Time diary data for one 24-hour period
  - Last month of CPS data
  - Updates from CPS
- Members of ATUS respondent households
  - Last month of CPS data
  - Updates from CPS
- ATUS non-respondents
  - Survey methodology questions
  - Last month of CPS data
- Members of ATUS non-respondent households
  - Last month of CPS data

- NOTE: not only time use, but data from two time points for a large number of variables!

Types of Data

- ## Rectangular (default)

  - Preferred by most researchers

  - Ready to analyze

  - Person records ONLY

  - Activity and Who record information is used to create time use variables—you never actually see them

- ## Hierarchical

  - Four record types
    - Household, Person, Activity, Who

  - Select variables for each record type if you want them to be included

  - More difficult to work with, but better for creating LOTS of time use variables that are only slightly different or are too complicated to do in the system

  - Necessary for analyzing activity sequences

Rectangular Data:
What It Looks Like

```
P20060101060001020069990100100033845748596070730106010030000
P20060101060014020060130100100034790679057210330206010030000
P20060101060014020060130200200000000000000014029902299
P20060101060014020060130300300000000000000013019902299
P20060101060025020069990100100058251654273660320106010020000
P20060101060025020069990200200000000000000033029902199
P20060101060033020060000010010005174447274166019020601003039O
P20060101060033020060000020020000000000000000041020402499
P20060101060033020060000030030000000000000000011029902599
P20060101060033020060000040040000000000000000019902299
P20060101060038020069990100100063537485252870520201010010001
P20060101060038020069990200200000000000000000056010102099
P20060101060049020060000010010008193457476441022020601002012O
P20060101060049020060000020020000000000000000025010602199
P20060101060049020060000030030000000000000000029902299
```

Hierarchical Data:
What It Looks Like

```
H20060101106000102006
P200601011060001020060100100338457485960707301060100000
A20060101106000102006
W20060101106000102006
A20060101106000102006
W20060101106000102006
A20060101106000102006
W20060101106000102006
H20060101106001402006
P200601011060014020060100100347906790572103302060100000
A20060101106001402006
W20060101106001402006
A20060101106001402006
W20060101106001402006
A20060101106001402006
W20060101106001402006
P2006010110600140200602002000000000000000000140299022
P2006010110600140200603003000000000000000000130199022
H20060101106003302006
P200601011060033020060100100517444727416601902060100390
A20060101106003302006
W20060101106003302006
A20060101106003302006
W20060101106003302006
W20060101106003302006
A20060101106003302006
W20060101106003302006
```

ATUS versus CPS Variables

- In most cases, CPS variables indicated by _CPS8:
  - ATUS interview variables: AGEYCHILD, RELATE
  - Final CPS interview variables (2-5 months prior to ATUS interview): AGEYCHILD_CPS8, RELATE_CPS8

- Not all information updated during ATUS interview
  - In cases where information is not updated and is unlikely to have changed, we generally do not append _CPS8 to the variable name
  - e.g. RACE, MARST, others

- Quick shortcut to determine whether an individual was in the household at the time of ATUS, CPS, or both: PRESENCE

Integration:
Relationship to ATUS respondent

Code	Label	AT03 0209	AT04 0220	AT05 0226	AT06 0227	AT07 0231
10	Self	18 = Self {16368}	18 = Self {11116}	18 = Self {10030}	18 = Self {9811}	18 = Self {9048}
10	"	19 = Self {4352}	19 = Self {2857}	19 = Self {3008}	19 = Self {3132}	19 = Self {3200}
20	Spouse	20 = Spouse {11170}	20 = Spouse {7764}	20 = Spouse {6793}	20 = Spouse {6522}	20 = Spouse {6165}
21	Unmarried Partner	21 = Unmarried partner {749}	21 = Unmarried partner {433}	21 = Unmarried partner {338}	21 = Unmarried partner {308}	21 = Unmarried partner {340}
22	Own household child	22 = Own household child {16532}	22 = Own household child {10987}	22 = Own household child {11179}	22 = Own household child {11124}	22 = Own household child {10227}
23	Grandchild	23 = Grandchild {681}	23 = Grandchild {544}	23 = Grandchild {524}	23 = Grandchild {497}	23 = Grandchild {498}
24	Parent	24 = Parent {3651}	24 = Parent {2454}	24 = Parent {2246}	24 = Parent {2368}	24 = Parent {2107}
25	Brother/Sister	25 = Brother sister {2498}	25 = Brother sister {1674}	25 = Brother sister {1657}	25 = Brother/sister {1781}	25 = Brother/sister {1506}
26	Other relative	26 = Other relative {1348}	26 = Other relative {696}	26 = Other relative {665}	26 = Other relative {717}	26 = Other relative {744}
27	Foster child	27 = Foster child {81}	27 = Foster child {32}	27 = Foster child {39}	27 = Foster child {34}	27 = Foster child {28}
28	Housemate roommate	28 = Housemate roommate {341}	28 = Housemate roommate {218}	28 = Housemate roommate {274}	28 = Housemate roommate {236}	28 = Housemate roommate {211}
29	Roomer/boarder	29 = Roomer boarder {80}	29 = Roomer boarder {79}	29 = Roomer boarder {46}	29 = Roomer boarder {45}	29 = Roomer boarder {49}
30	Other nonrelative	30 = Other nonrelative {688}	30 = Other nonrelative {364}	30 = Other nonrelative {402}	30 = Other nonrelative {337}	30 = Other nonrelative {324}
40	Own non-hh child lt 18	40 = Own non-hh child lt 18 {372}	40 = Own non-hh child lt 18 {182}	40 = Own non-hh child lt 18 {183}	40 = Own non-hh child lt 18 {220}	40 = Own non-hh child lt 18 {115}
996	Refused		-3 = Refused {1}	-3 = Refused {2}	-3 = Refused {4}	-3 = Refused {1}
997	Don't know			-2 = Don't know {4}	-2 = Don't know {11}	-2 = Don't know {3}
999	NIU (Not in universe)	BB = [no label] {50219}	BB = [no label] {35527}	BB = [no label] {33388}	BB = [no label] {35182}	BB = [no label] {36974}

Integration:
Composed codes EDUCATION

An 'X' indicates the category is available for that sample.

Code	Label	03	04	05	06	07	08	09	10	11	12
	Less than HS diploma										
010	Less than 1st grade	X	X	X	X	X	X	X	X	X	X
011	1st, 2nd, 3rd, or 4th grade	X	X	X	X	X	X	X	X	X	X
012	5th or 6th grade	X	X	X	X	X	X	X	X	X	X
013	7th or 8th grade	X	X	X	X	X	X	X	X	X	X
014	9th grade	X	X	X	X	X	X	X	X	X	X
015	10th grade	X	X	X	X	X	X	X	X	X	X
016	11th grade	X	X	X	X	X	X	X	X	X	X
017	12th grade - no diploma	X	X	X	X	X	X	X	X	X	X
	HS diploma, no college										
020	High school graduate - GED	X	X	X	X	X	X	X	X	X	X
021	High school graduate - diploma	X	X	X	X	X	X	X	X	X	X
	Some college										
030	Some college but no degree	X	X	X	X	X	X	X	X	X	X
031	Associate degree - occupational vocational	X	X	X	X	X	X	X	X	X	X
032	Associate degree - academic program	X	X	X	X	X	X	X	X	X	X
	College degree +										
040	Bachelor's degree (BA, AB, BS, etc.)	X	X	X	X	X	X	X	X	X	X
041	Master's degree (MA, MS, MEng, MEd, MSW, etc.)	X	X	X	X	X	X	X	X	X	X
042	Professional school degree (MD, DDS, DVM, etc.)	X	X	X	X	X	X	X	X	X	X
043	Doctoral degree (PhD, EdD, etc.)	X	X	X	X	X	X	X	X	X	X
999	NIU (Not in universe)	.	.	.	.	.	.	.	.	.	.

Integration:
Composed codes MAIN ACTIVITY

Code	Label	03	04	05	06	07	08	09	10	11	12
010000	Personal Care	·	·	·	·	·	·	·	·	·	·
010100	Sleeping	·	·	·	·	·	·	·	·	·	·
010101	Sleeping	X	X	X	X	X	X	X	X	X	X
010102	Sleeplessness	X	X	X	X	X	X	X	X	X	X
010199	Sleeping, n.e.c.	·	·	X	·	·	·	·	·	·	·
010200	Grooming	·	·	·	·	·	·	·	·	·	·
010201	Washing, dressing, and grooming oneself	X	X	X	X	X	X	X	X	X	X
010299	Grooming, n.e.c.	X	X	X	X	X	X	X	X	X	X
010300	Health-Related Self Care	·	·	·	·	·	·	·	·	·	·
010301	Health-related self care	X	X	X	X	X	X	X	X	X	X
010399	Self care, n.e.c.	X	X	X	X	X	X	X	X	X	X
010400	Personal Activities	·	·	·	·	·	·	·	·	·	·
010401	Personal or private activities	X	X	X	X	X	X	X	X	X	X
010499	Personal activities, n.e.c.	X	X	·	X	X	X	X	·	·	·
010500	Personal Care Emergencies	·	·	·	·	·	·	·	·	·	·
010501	Personal emergencies	X	·	X	·	X	X	X	·	X	·
010599	Personal care emergencies, n.e.c.	·	·	·	·	·	·	·	X	·	·
019900	Personal Care, n.e.c.	·	·	·	·	·	·	·	·	·	·
019999	Personal care, n.e.c.	X	X	·	·	X	X	·	X	·	·
020000	Household Activities	·	·	·	·	·	·	·	·	·	·
020100	Housework	·	·	·	·	·	·	·	·	·	·
020101	Interior cleaning	X	X	X	X	X	X	X	X	X	X
020102	Laundry	X	X	X	X	X	X	X	X	X	X
020103	Sewing, repairing, and maintaining textiles	X	X	X	X	X	X	X	X	X	X
020104	Storing interior household items, including food	X	X	X	X	X	X	X	X	X	X

Code	Label	03	04	05	06	07	08	09	10	11	12
020199	Housework, n.e.c.	X	X	X	X	X	X	X	X	X	·
020200	Food and Drink Preparation, Presentation, and Clean-up	·	·	·	·	·	·	·	·	·	·
020201	Food and drink preparation	X	X	X	X	X	X	X	X	X	X
020202	Food presentation	X	X	X	X	X	X	X	X	X	X
020203	Kitchen and food clean-up	X	X	X	X	X	X	X	X	X	X
020299	Food and drink preparation, presentation, and clean-up, n.e.c.	X	·	·	X	X	·	·	·	·	·
020300	Interior Maintenance, Repair, and Decoration	·	·	·	·	·	·	·	·	·	·
020301	Interior arrangement, decoration, and repairs	X	X	X	X	X	X	X	X	X	X
020302	Building and repairing furniture	X	X	X	X	X	X	X	X	X	X
020303	Heating and cooling	X	X	X	X	X	X	X	X	X	X
020399	Interior maintenance, repair, and decoration, n.e.c.	X	X	X	X	X	X	X	X	X	X
020400	Exterior Maintenance, Repair, and Decoration	·	·	·	·	·	·	·	·	·	·
020401	Exterior cleaning	X	X	X	X	X	X	X	X	X	X
020402	Exterior repair, improvements, and decoration	X	X	X	X	X	X	X	X	X	X
020499	Exterior maintenance, repair, and decoration, n.e.c.	X	X	X	X	X	X	X	X	X	X
020500	Lawn, Garden, and Houseplants	·	·	·	·	·	·	·	·	·	·
020501	Lawn, garden, and houseplant care	X	X	X	X	X	X	X	X	X	X
020502	Ponds, pools, and hot tubs	X	X	X	X	X	X	X	X	X	X
020599	Lawn and garden, n.e.c.	X	X	X	X	·	·	·	X	X	·
020600	Animals and Pets	·	·	·	·	·	·	·	·	·	·
020601	Care for animals and pets (not veterinary care) (2003-2007)	X	X	X	X	X	·	·	·	·	·
020602	Care for animals and pets (not veterinary care) (2008+)	·	·	·	·	·	X	X	X	X	X
020603	Walking, exercising, playing with animals (2008+)	·	·	·	·	·	X	X	X	X	X
020699	Pet and animal care, n.e.c.	X	X	X	·	X	X	X	X	X	X
020700	Vehicles	·	·	·	·	·	·	·	·	·	·

FAQ Page