

IPUMS Time Use Workshop MPRC 2019

Sandra Hofferth, Maryland Population Research Center (MPRC) Liana Sayer, Maryland Time Use Lab & Maryland Population Research Center (MPRC)





Objectives

Sections of the Presentation:

- 1. Develop familiarity with the breadth and depth of data available through IPUMS Time Use
- 2. Assess the appropriateness of the American Time Use survey (ATUS), the American Heritage Time Use surveys (AHTUS), and Multinational Time Use surveys (MTUS) for specific research topics
- 3. Learn how to navigate the IPUMS Time Use webbased extract system and create custom extracts that include user-defined time use variables



Part 1: Learn about the IPUMS Time Use Archives

ATUS, AHTUS, MTUS



IPUMS

- Acronym for Integrated Public Use Microdata Series. Now just "IPUMS"
- Developed by the University of Minnesota and archived there
- Originally concentrated on census data for the U.S. and other nations
- Now includes time use data in a similar webbased system





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, marga information across data types, and analyse infividuals within family and community context. Data and services available free of charge.



IPUMS TIME USE

IPUMS.ORG | ATUS | AHTUS | MTUS



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 AHTUS MTUS
AMERICAN TIME USE SURVEY EXTRACT BUILDER

HOME | SELECT DATA | MY DATA | FAQ | HELP



PROJECT

ABOUT ATUS-X ABOUT ATUS PARTNERS REGISTRATION

DATA

BUILD AN EXTRACT DOWNLOAD/REVISE EXTRACTS TIME USE VARIABLES

DOCUMENTATION

SAMPLES VARIABLES LINK CPS FAQ REVISIONS

RESEARCH

CITATION AND USE BIBLIOGRAPHY C PUBLICATIONS TRAINING MATERIALS

CONTACT US

HELP USER FORUM C PROJECT STAFF SUPPORT ATUS-X C

AMERICAN TIME USE SURVEY EXTRACT BUILDER

The ATUS is a nationally representative U.S. time diary survey for period since 2003. IPUMS Time Use harmonizes these data and provides a data extract builder that allows users to create custom time use variables and data extracts for analysis. ATUS-X is a collaboration of the Minnesota Population Center and the Maryland Population Research Center.

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



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NEW USERS

CREATE AN ATUS-X ACCOUNT | NAVIGATING THE SITE

TIME USE NEWS



IPUMS Time Use Registration

- <u>https://www.ipums.org/time</u> <u>use.shtml</u>
- Select "Get Data" Under ATUS
- Click on "Registration"
 - Log in with your IPUMS account information
 - Or
 - Apply for access: fill out form to register for access
- Can explore data archive without an account but cannot save variables or an extract





IPUMS Time Use Team

University of Maryland & Maryland Population Research Center



Sandra Hofferth



Liana Sayer

University of Oxford & Centre for Time Use Research



Ewa Jarosz



Margarita Vega Rapun

University of Minnesota & Minnesota Population Center



Sarah Flood



Dan Backman IPUMS.ORG

Web-Based Data Access System

- Why use IPUMS Time Use archive (ATUS-X, AHTUS-X, MTUS-X)?
 - Lowers barriers to access much is done for the user behind the scenes so you don't have to
 - Lowers learning time everything in one place
 - Simplifies use of complex time diary data
- What does it deliver? Customized data set with
 - Years of data and countries you want
 - Data harmonized across time and countries
 - Variables you care about and defined the way you want
 - User-defined measures of time in specific activity aggregations
 - Dataset and variable-level documentation in one place and connected to your variables, plus variable-level frequencies

IPUMS ORG

- Data in multiple formats (SAS, STATA, SPSS)
- Email helpline: <u>ipums@umn.edu</u>

WELCOME, LIANA | ACCOUNT | LOG OUT | TIME USE C | IPUMS.ORG C

IPUMS TIME USE

ATUS AHTUS MTUS AMERICAN TIME USE SURVEY EXTRACT BUILDER

HOME | SELECT DATA | MY DATA | FAQ | HELP



PROJECT

ABOUT ATUS-X

PARTNERS

REGISTRATION

DATA

BUILD AN EXTRACT DOWNLOAD/REVISE EXTRACTS TIME USE VARIABLES

DOCUMENTATION

SAMPLES VARIABLES LINK CPS FAQ REVISIONS

RESEARCH

CITATION AND USE BIBLIOGRAPHY

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ATUS - X

- Data from the American Time Use Survey from 2003 to the present
- Survey of persons age 15 and older interviewed with a 20-minute computer-assisted interview conducted by telephone by the U.S. Census Bureau for the Bureau of Labor Statistics
- Annual data released in summer each year
- Occasional supplements with focused items:
 - Eating and Health, Well-Being, Leave, Elder Care

TPUMS.ORG

Example: Diary

So let's begin. Yesterday, Monday, at 4:00 AM, what were you doing?

- Use the slash key (/) for recording separate/simultaneous activities.
- Do not use precodes for secondary activities.
- 1. Sleeping
- Grooming (self)
- 3. Watching TV
- Working at main job
- 5. Working at other job
- 6. Preparing meals or snacks
- 7. Eating and drinking

- 8. Cleaning kitchen
- 9. Laundry
- 10. Grocery shopping
- 11. Attending religious service
- 12. Paying household bills
- 13. Caring for animals and pets

- 30. Don't know/Can't remember
- 31. Refusal/ None of your business

		Start	I/D	Activity	TIME	Hrs	Mins	Stop	Who	Who_2	Where	Where specify
[1]	4:00AM		Sleeping	2	8	0	12:00PM				
[2]	12:00PM		Preparing meals and snacks	1	1	0	1:00PM	0		1	Respondent's home
[3]	1:00PM		playing with kids	1		1	1:01PM	2		1	Respondent's home
[4]	1:01PM		Grooming	1	2	0	3:01PM				
,	-1	La crave						La curre				<u> </u>

ATUS Sampling Frame

People are selected from households that recently completed the monthly labor force survey—the Current Population Survey (CPS)



2 to 5 months after the end of the CPS survey, selected individuals are interviewed for the ATUS survey





ATUS Sample Allocation

- The ATUS sample is split evenly between weekdays and weekend days
 - 10 percent of designated persons are asked about a weekday
 - 25 percent of designated persons in the sample are asked about a Saturday, and 25 percent are asked about a Sunday

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
25%	10%	10%	10%	10%	10%	25%

IPUMS TIME USE

ATUS AHTUS MTUS
AMERICAN HERITAGE TIME USE STUDY EXTRACT BUILDER

HOME | SELECT DATA | MY DATA | FAQ | HELP



PROJECT

ABOUT AHTUS-X ABOUT AHTUS PARTNERS REGISTRATION

DATA

BUILD AN EXTRACT DOWNLOAD/REVISE EXTRACTS TIME USE VARIABLES

DOCUMENTATION

SAMPLES VARIABLES FAQ REVISIONS

RESEARCH

CITATION AND USE BIBLIOGRAPHY

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AMERICAN HERITAGE TIME USE STUDY EXTRACT BUILDER

The AHTUS is a harmonized collection of time diary data from the U.S. for the period 1965 to 2012. AHTUS-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.

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TIME USE NEWS



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ABOUT AHTUS-X

ABOUT AHTUS

PARTNERS

REGISTRATION

DATA

BUILD AN EXTRACT DOWNLOAD/REVISE EXTRACTS TIME USE VARIABLES

DOCUMENTATION

SAMPLES

VARIABLES

FAQ

REVISIONS

RESEARCH

CITATION AND USE

BIBLIOGRAPHY

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SAMPLE-LEVEL INFORMATION

View sample-level information by sample or by type of information.

BY SAMPLE

- <u>1965-66</u>
- <u>1975</u>
- <u>1985</u>
- <u>1992-1994</u>
- <u>1994-1995</u>
- <u>1998-2001</u>
- <u>2003</u>
- 2004
- <u>2005</u>
- <u>2006</u>
 <u>2007</u>
- 2007
 2008
- 2009
- 2010
- 2011
- 2012

BY TYPE OF INFORMATION

- Description
- <u>Questionnaire/Codebook</u>
- Harmonization syntax

1965-1966 the Multinational Comparative Time-Budget Research Project

- <u>Sample Description</u>
- User guide/codebook 🕵
- Harmonization syntax

1975 American's Use of Time: Time Use in Economic and Social Accounts

- <u>Sample Description</u>
- <u>User_guide/codebook</u>
- Harmonization syntax
 - <u>Part 1</u>
 - <u>Part 2</u>
 - <u>Part 3</u>
 - <u>Part 4</u>

1985 American's Use of Time Project

- <u>Sample Description</u>
- <u>User_guide/codebook</u> 🕵
- <u>Harmonization syntax</u>

1992-1994 National Human Activity Pattern Survey

- Sample Description
- User guide/codebook (not available)
- <u>Harmonization syntax</u>

1994-1995 National Time-Diary Study

- <u>Sample Description</u>
- <u>User_guide/codebook</u>
- <u>Harmonization syntax</u>

1998-2001 Family Interaction, Social Capital, and Trends in Time Use Study and National Survey of Parents

- <u>Sample Description</u>
- <u>User_guide/codebook</u> 🕵
- <u>Harmonization syntax</u>

2003+ American Time Use Survey



ATUS AHTUS MTUS MULTINATIONAL TIME USE STUDY EXTRACT BUILDER

HOME | SELECT DATA | MY DATA | FAQ | HELP



PROJECT

ABOUT MTUS-X

- ABOUT MTUS
- PARTNERS -

REGISTRATION

DATA

BUILD AN EXTRACT DOWNLOAD/REVISE EXTRACTS TIME USE VARIABLES

DOCUMENTATION

SAMPLES SOURCE DOCUMENTS VARIABLES FAQ

REVISIONS

RESEARCH

CITATION AND USE

BIBLIOGRAPHY

TRAINING MATERIALS

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.

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Centre for Time Use Research, Oxford & UCL

- Identifies time use data sets
- Acquires data

- Harmonizes data
- Disseminates data in MTUS on the CTUR web site and via MTUS-X
- CTUR: https://www.timeuse.org/



Currently Available via MTUS - X

(Multiple waves)

- Austria
- Bulgaria
- Canada
- Finland
- France
- Hungary
- Israel

- Italy
- Netherlands
- Spain
- United Kingdom
- United States



Harmonization

From Businessdictionary.com:

 Adjustment of differences and inconsistencies among different measurements, methods, procedures, schedules, specifications, or systems to make them uniform or mutually compatible.

	IPL TIME	JMS USE		US AHTUS MTU TINATIONAL TIME USE S ME SELECT DATA N	S TUDY EXTRACT BU Y DATA FAQ	UILDER HELP	DATA CART YOUR DATA EXTRACT 0 VARIABLES 0 TIME USE VARIABLES 0 SAMPLES			
	SELECT VA	ARIABLES		CREATE TIME USE	SELECT	CHANGE DATA	HELP DISPLAY OPTIONS			
PERSON -	ACTIVITY 👻	TIME USE 👻	SEARCH	VARIABLE	SAMPLES	STRUCTURE		TIONS		

AN "X" INDICATES THE VARIABLE IS AVAILABLE IN THAT DATASET.

The CORE DEMOGRAPHIC VARIABLES PERSON [LOP]																											
Add to cart	Variable	Variable Label	<u>Type</u>	austria 1992	bulgaria 2001	canada 2010	finland 1979	finland 2009	france 1985	france 1998	hungar 1999	hungar 2009	israel 1991	italy 1 2002	nether 1975	nether 1980	nether 1985	nether 1990	nether 1995	nether 2000	nether 2005	spain 9 2002 2	spain 2009 1	uk u 1974 19	uk ul)83 198	k uk 37 199	uk 5 2000
•	AGE	Age	Р	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	хх	X	Х
0	<u>SEX</u>	Sex	Р	Х	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	х х	(X	х
0	CITIZEN	Diarist is citizen/native of country	Ρ	Х		х			Х	Х										Х	Х	Х	Х		. X	ί	Х
0	CIVSTAT	Diarist is in a couple	Ρ	Х	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	х х	(X	х
0	COHAB	Diarist cohabiting	Ρ	Х	Х	х		х	Х	Х	Х			Х					Х			Х	Х		х х	(X	Х
0	EDTRY	Harmonized highest level of education	Ρ	Х	Х	х	Х	х	Х	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	х х	(X	х
0	EDUCA	Education-original study codes	Ρ	Х	Х	х	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	х х	(X	Х
0	CARER	Adult provide adult care	Ρ	Х			Х		1.1	Х			Х	Х			-		Х	Х	Х	Х	Х		х х	÷ .	х
0	WHERBORN	Born in country	Ρ			х			Х	Х		Х	Х									Х					
0	YRIMM	Year of immigration (born abroad)	Ρ										Х				-									-	
0	<u>BTHPL</u>	Country of birth	Ρ										Х													-	
0	PABTHPL	Father's country of birth	Ρ			-			-				Х	-								-				-	

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COUNTRY ABBREVIATIONS



Codes and Frequencies

Category availability view

Case-count view

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

Cada Jahal		austria b	oulgaria	canada	finland	finland	france	france	hungar	hungar	israel	italy	nether	nether	nether	nether	Cada
			01	10	79	09	85	98	99	09	91	02	75	80	85	90	Code
01	Uncompleted secondary or less	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	01
02	Completed secondary	Х	Х	Х	X	X	Х	Х	Х	Х	X	Х	Х	Х	X	X	02
03	Above secondary education	Х	Х	Х	X	X	Х	X	Х	Х	X	Х	Х	Х	X	X	03
-7	Not Applicable/not asked				X												-7
-8	Missing		Х	Х		х	Х		Х		X	Х	Х	Х	X		-8
-9	Could not be created	•		1	•	•				•	•		•		•	1	-9



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EDTRY			ADD TO CART	SELECT SAMPL	ES		
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CODES	DESCRIPTION	COMPARABILITY	UNIVERSE	AVAILABILITY			
	Comparabilit	y — Index					
	GENERAL		<u>Italy</u>				
	Comparabilit	у					
	EDTRY is comparab education.	le across all samples. Se	e <u>EDUCA</u> for furtl	her information abou	t the source data	a on	
	Comparabilit	y — Italy [<u>top</u>]					
	In 2002, responden	ts aged 10 or less do not	t have data for thi	s variable.			

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			AHTUS MT	US STUDY EXTRACT BUIL	DER	DATA CART YOUR DATA EXTRACT	
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Education-orig Group: <u>Core D</u>	ginal study codes <u>emographic — PERSC</u>	<u>NC</u>					
CODES	DESCRIPTION	COMPARABILITY	UNIVERSE	AVAILABILITY			
	Austria 1992 1 Elementary s 3 Neduyn voca 4 Higher gener 5 Higher vocat	chool ational ral tional					
	6 University 7 Child aged 10)-14					
	Canada 2010						
	1 Doctorate/ma 2 Bachelor's de 3 Diploma/cer 4 Diploma/cer 5 Some univer 6 Some comm 7 Some trade/ 8 High school e 9 Some second 10 Elementary	asters/some graduate egree tificate from communi tificate from trade/teo sity unity college/CEGEP/r technical diploma dary/high school school/no schooling	ty college hnical hursing				

Spain 2009

1 No formal education, not able to read or write

2 Did not complete primary school

3 Completed primary school

4 Completed secondary school

5 Post-secondary qualification

6 Teaching qualification

7 Professional qualification

8 University degree

9 Higher university degree

France 1985

0 no diploma

1 CEP, DFEO

2 BEPC

3 BE BEPS

4 Baccalaureat lere partie CFES

5 Baccalaureat series 2eme

6 Diplome universitaire du 1er cycle - DUEL DUES

7 Diplome universitaire du 2eme cycle - license, maitrise

8 Diplome universitaire du 3eme cycle - DES DEA doctorat

9 Autre preciser

France 1998

O Without a diploma or not declared 1 CEP, DFEO 2 BEPC 3 CAP, BEP 4 Bac technique 5 Bac general 6 Bac + 2 7 Superieur a Bac + 2

Finland 1979

1 Matriculation 2 Middle / Comprehensive 3 Primary / Middle

Planned Additions to MTUS - X

- Brazil
- Germany

• India

- Mexico
- South Africa (2)- 2019
- South Korea (3)- 2019
- Turkey





Acknowledgements

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QUESTIONS?





Part 2: Select a Topic and Archive for Your Research

ATUS-X, AHTUS-X, MTUS-X



Assumptions of Time Diary Research

- Daily behavior the "sociological atom" of social research (Jonathan Gershuny, CTUR)
- All activities by all groups of people are worthy topics of research
- Comprehensive behavioral data essential to understand complex social issues
- Comprehensive behavioral data essential to understand policy influences on social change



Policy Applications of Time Use Research



IPUMS.ORG

Selected Research Topics

- Leisure (trends, physical activity, quality)
- Sleep (hours per week, deprivation, trends)
- Health (associations with activities)
- Subjective well-being

- Eating
- Work-life Balance
- Paid work (hours of work, scheduling)
- Unpaid work (women's total economic contribution, hours, trends, sharing in households)
- Adult care (valuation, time cost, who performs care but does not identify as a carer)
- Child care (valuation, trends, participation of fathers, balance of physical/interactive care)
- Volunteering / civic engagement (valuation, trends)
- Education (homework, parental involvement)
- Environment (transport modes, time at home/inside)



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


Creating Time Use Variables

• Researchers

- Custom time use variables
- Low barrier to creating with complex activity-based variables
- System
 - Background manipulation of diary data to construct time use variables
 - Outputs either rectangular or hierarchical data files
 - Saves custom variables & extracts





Archive Differences

- Activity classification system
 - 400+ codes in ATUS
 - 98 codes in AHTUS
 - 69 codes in MTUS
- Sampling frames
 - ATUS
 - One diary day from one individual age 15 or older selected from CPS household in ATUS
 - AHTUS
 - One diary day from one individual aged 18 and older in AHTUS
 - Subsample of 1975 data have diaries from spouses
 - MTUS
 - Weekend and weekday diaries in some countries
 - Diaries from all household members in some countries
 - See <u>here</u>



Health Related Variable Differences

- ATUS
 - <u>Self-Reported Health</u>
 - <u>Physical Activity</u>

- Life Satisfaction & Momentary Affect
- MET Value
- AHTUS
 - **Disability**
 - No measure of general health
- MTUS
 - General Health
 - <u>Rushed</u>
 - **Disability**



Time Diary Archive Differences

• Secondary data

- ATUS
 - <u>Secondary Child Care</u>
 - <u>Secondary Eldercare</u>
 - Secondary Eating & Drinking
- AHTUS
 - <u>SEC</u>
- MTUS
 - <u>SEC</u>



Time Diary Archive Differences

With Whom

- ATUS
 - WHO ASK
 - Technical Who Variables (hierarchical)
 - Create Own Time Use Variable (rectangular)
- AHTUS
 - Who else is present during activity
 - <u>Who Variable Availability Grid</u>
- MTUS
 - <u>https://www.mtusdata.org/mtus-action/samples</u>
 - Who else is present during activity







Acknowledgements

 This project was made possible through funding from the Eunice Kennedy Shriver National Institute of Child Health and Human Development, Grant No. R01-HD053654-12



QUESTIONS?



Part 3: Create a Custom Extract: Time Spent in Physical Activity and Health

Exercise 7 in handout



Online Demo

- ✓ Logged in or finished registration
- \checkmark Selected topic and the archive to use
- ✓ Viewed documentation
- Create a time use variable
- Add demographic variables
- Make an extract
- Download data
- Create an analysis file
- Get help



Health-Related Activity Measures

• Physical Activity time

- Specific Activity selected by a belief in its healthfulness (130100)
- Mode of Transportation self propelled or riding
- An aspect of Paid & Unpaid work
- According to MET values (ratio of metabolic rate per time unit during activity to resting rate), categorized as moderate or vigorous
 - <u>https://www.atusdata.org/atus-action/variables/group?id=a-tech</u>
 - <u>https://www.atusdata.org/atus-action/variables/METVALUE#description_section</u>
 - <u>https://epi.grants.cancer.gov/physical/MET/</u>
- Sedentary time (e.g., Relaxing, TV viewing) (120300)
 - Specific Activity selected by belief in its nonhealthfulness
 - Context
 - MET value (e.g., low MET)
- Sleep time (010100)
 - Night time
 - Naps
 - Disturbed & disrupted sleep episodes





Health Measures

- Self-reported health five category self-reported health (excellent, very good, good, fair, poor)
- BMI Body mass index, computed from height & weight





Exercise 7

 Go to Exercise 7, "Estimates of Time spent in Physical Activity in ATUS Well-being Module," to follow along.





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PROJECT

ABOUT ATUS-X ABOUT ATUS PARTNERS REGISTRATION

DATA

BUILD AN EXTRACT DOWNLOAD/REVISE EXTRACTS TIME USE VARIABLES

DOCUMENTATION

SAMPLES VARIABLES LINK CPS FAQ REVISIONS

RESEARCH

CITATION AND USE

PUBLICATIONS

HELP

TRAINING MATERIALS

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services available free of charge.

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	procosi		SE	LECT VARI	ABLE	S			554BGU		CREATE TIN	IE USE	C S	HANGE	CHANGE DATA	
	PERSON	ACTIVI	Y -	WHO	•	ELDERCARE 🕈	TIME USE	•	SEARCH							J.
<u> </u>																

START HERE

SELECT SAMPLES

Variable documentation on the web site can be filtered to display only material corresponding to chosen datasets (more information on this feature).

SUBMIT SAMPLE SELECTIONS

Select / Unselect All Module Topics													
Eating and Health	Leave	Used Being											
Select All Samples													
 2003 2004 2005 2006 2007 2008 2009 2010 2010 2011 2012 2013 2014 2015 2016 2017 													

Sample Members

- Respondents [?]
- Respondents and Household Members [?]
- Respondents and Non-respondents [?]
- Respondents and Non-respondents plus Household Members [?]

Caution

• Will need to go back to the Select variables page after each selection (slide 28). That step is not included here to avoid duplication.







CONL														
<u>dd to</u> :art	Variable	Variable Label	<u>Type</u>	06	07	08	14	15	10					
V	AGE	Age	Ρ	Х	Х	Х	Х	Х	>					
N	<u>SEX</u>	Sex	Ρ	Х	Х	Х	Х	Х	>					
Ō	RACE	Race	Ρ	х	Х	Х	Х	Х	>					
Õ	HISPAN	Hispanic origin	Ρ	х	Х	Х	Х	Х	>					
ĕ	ASIAN	Asian origin	Ρ				Х	Х	>					
õ	MARST	Marital status	Ρ	Х	Х	Х	Х	Х	>					
ŏ	YRIMMIG	Year of immigration	Ρ	х	Х	х	Х	Х	>					
ŏ	CITIZEN	Citizenship status	Ρ	х	Х	Х	Х	Х	>					
ŏ	BPL	Birthplace	Ρ	х	Х	Х	Х	х	>					
ŏ	MBPL	Mother's birthplace	Ρ	х	Х	х	Х	Х	>					
ŏ	FBPL	Father's birthplace	Ρ	х	Х	Х	Х	Х	>					
ŏ	RELATE	Relationship to ATUS respondent	Ρ	х	Х	Х	Х	Х	>					
ŏ	AGE_CPS8	Age (CPS)	Ρ	Х	Х	Х	Х	Х	>					
ŏ	SEX_CPS8	Sex (CPS)	Ρ	х	Х	х	Х	Х	>					
ŏ	RELATE_CPS8	Relationship to CPS respondent	Ρ	х	Х	Х	Х	Х	>					
ŏ	POPSTAT	Adult civilian, armed forces, or child (CPS)	Ρ	х	Х	х	Х	Х	>					
R .	GENHEALTH	General health	Ρ	х	Х	х	Х	Х)					
0	HEIGHT	Height (in inches)	Ρ	х	Х	х	Х	х)					
ŏ	WEIGHT	Weight (in pounds)	Ρ	х	х	Х	х	х	>					
2	BMI	Body Mass Index	Ρ	х	х	х	Х	х	>					
		-												

		UMS 1E USE	ATUS AHTU AMERICAN TIME U HOME SELECT	S M1 ISE SURV DATA	TUS VEY EXT MY DA	RACT BUILI	DER HELI	D	DATA YOUR DA 10 VARIAB 3 TIME US 6 SAMPLE	CART TA EXTRACT LES SE VARIABLES ES	
									VIEW	<u>/ CART</u>	
		SELECT	CREATE TI	ME USE	CHANGE	CHANGE DATA					
HOUSEHO	DLD 👻 PERSON	N 👻 ACTIVITY 👻 N	VHO 👻 ELDERCARE	- TIME	USE 👻	SEARCH		VARIA	BLE	SAMPLES	STRUCTURE
AN "X" IN	IDICATES THE V	ARIABLE IS AVAILABLE IN T	HAT DATASET.								
👟 WEIGI	HTS VARIABLES	PERSON [<u>TOP]</u>									
<u>Add to</u> <u>cart</u>	Variable	Varia	able Label	<u>Type</u>	06 07 0	8 14 15 16					
N	<u>WT06</u>	Person weight, 2006 me	thodology [<u>preselected]</u>	Р	ХХЗ	хххх					
00	<u>RWT06</u>	Replicate weight, 2006 ı <u>variables]</u>	nethodology [<u>multiple</u>	Р	ХХЗ	XXXX					
0	BWT	Base weight		Р	хх	хххх					
C D	<u>RBWT</u>	Replicate weight, base v	veight [<u>multiple variables]</u>	Р	ХХЗ	хххх					
$\mathbf{\overline{\mathbf{N}}}$	EHWT Eating and Health Module weight					хххх					
00	<u>REHWT</u>	Replicate weight, eating [<u>multiple variables]</u>	and health module weight	Р	XX	XXXX					

		UMS E USE	ATUS AHTUS AMERICAN TIME US HOME SELECT D	MTUS SE SURVEY	EXTRA	CT BUILDE	R HELP		DAT YOURD 10 VARIA 3 TIME (6 SAMP	A CAI ATA EXTR BLES USE VARI LES			
293653237294574	******	***************************************	**********************	537105720345323720	457676952719	;72938532372945767	89537185728385	32172945747695	<u>VIE</u>	W CARI		294594949597495974997599 <mark>6</mark> 5311	26
		SELECT	VARIABLES				CF	REATE TIN	IE USE	(CHANGE	CHANGE D	AT
HOUSEHO	LD 👻 PERSON	→ ACTIVITY → W	/HO	TIME USE	-	SEARCH		VARIAE	ILE	S	AMPLES	STRUCTU	RI
AN "X" IN	DICATES THE VA	RIABLE IS AVAILABLE IN T	HAT DATASET.										
👟 TECHN	NICAL ACTIVITY VAR	RIABLES ACTIVITY [TOP]											
<u>Add to</u> <u>cart</u>	Variable	Varia	ble Label	<u>Туре</u> 06	07 08 14	\$ 15 16							
	ACTLINE	Activity line number [pres	selected]	A X	ххх	ХХ							
	<u>ACTIVITY</u>	Activity		A X	ххх	ХХ							
	WHERE	Location of activity		A X	ХХХ	XX							

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X X X X X X

DDDDDDD

DURATION_EXT

DURATION

METVALUE

WHO_ASK

<u>START</u>

STOP

Duration of activity (extended version)

Metabolic equivalent (MET) value for activity codes

Duration of activity

Activity start time

Activity stop time

Who asked for activity

Caution

- You cannot select technical activity variables for your file unless you select the rectangular (activity) or the hierarchical option for the file structure. You will be reminded and get the option of changing your structure.
- If you wish to use a rectangular (person) file structure you will have to create all your time variables within the archive. This will probably be sufficient for most research projects.

	ATUS AHTUS MTUS AMERICAN TIME USE SURVEY EXTRACT BUILDER HOME SELECT DATA MY DATA FAQ HELP										,	DATA YOUR DA 10 VARIAR 3 TIME U 6 SAMPL	A CAF ATA EXTR BLES ISE VARIA ES	RT ACT ABLES		
												<u>VIE</u>	N CART			
	procosi		SE	LECT VARI	ABLE	S			554BGU		CREATE TIN	IE USE	C S	HANGE	CHANGE DATA	
	PERSON	ACTIVI	Y -	WHO	•	ELDERCARE 🕈	TIME USE	•	SEARCH							J.
<u> </u>																

START HERE



ATUS AHTUS MTUS AMERICAN TIME USE SURVEY EXTRACT BUILDER HOME | SELECT DATA | MY DATA | FAQ | HELP

DATA CART YOUR DATA EXTRACT 10 VARIABLES 3 TIME USE VARIABLES 6 SAMPLES

VIEW CART

CREATE TIME USE VARIABLE

variable documentation on the web site can be filtered to display only material corresponding to chosen datasets (more information on this feature).

CREATE VARIABLE FROM SCRATCH

QUIT MAKING TIME USE VARIABLE

MY TIME	TIME USE VARIABLES											
Create Copy	Name	Label										
Load	HOMEWORK	homework at home										
Load	SPORTS	sports_afterschool										
Load	SPORTS_PART	sports participation										
Load	CHILDCARE_TIME	child care time										
Load	work	all work related activities										
Load	Housework	Household activities plus travel time										
Load	employment	work plus travel time										
Load	<u>carehhmember</u>	care for household member plus travel										
Load	<u>carenonhhmember</u>	care for non hhmember plus travel										
Load	<u>school</u>	school time plus travel to school										
Load	homeworkt	homework plus travel										
Load	<u>sportst</u>	sports plus travel										
Load	<u>schoolrev</u>	school time plus travel to school										
Load	<u>CareHHchildren</u>	care for household children plus travel										
Load	<u>CarenonHHchildren</u>	care for non hhchildren plus travel										
Load	<u>exermornalone</u>	ACT: exercise morning alone										
Load	<u>exerafteralone</u>	ACT: exercise, afternoon, alone										
Load	<u>exernightalonel</u>	ACT: exercise, night, alonel										
Load	<u>exertotal</u>	ACT: exercise total										
Load	<u>exeralone</u>	ACT: exercise alone										
Load	<u>exermooth</u>	ACT: exercise, morning, with others										
Load	<u>exeraftoth</u>	exercise, afternoon, with others										
Load	<u>exerother</u>	exercise, any time, with others										
Load	exerniteoth2	exercise, night 4-6 am, with others										
Load	exernightalone2	exercise, at night 4-6 am, alone										
Load	<u>exniteothl</u>	exercise, night6-4am, with others										
Load	<u>exaftoth</u>	exercise, afternoon, with others										
Load	<u>exmornoth</u>	ACT: exercise, morning, with others										

Respondent activities are recorded as six-digit numbers (<u>ACTIVITY</u>). The first two digits correspond to a broad category, the middle two to a more detailed subcategory, and the final two to a specific activity within those categories. Users may select any combination of activities from the activity hierarchy to create time use variables.

[more info]

expand all | collapse all

🔳 All

- Personal Care (010000)
- Household Activities (020000)
- Caring for and Helping Household Members (030000)
- Caring for and Helping Non-Household Members (040000)
- Work and Work-Related Activities (050000)
- Education (060000)
- Consumer Purchases (070000)
- Professional and Personal Care Services (080000)
- Household Services (090000)
- □ Government Services and Civic Obligations (100000)
- Eating and Drinking (110000)
- Socializing, Relaxing, and Leisure (120000)
- □ Sports, Exercise, and Recreation (130000)
 - Participating in Sports, Exercise, or Recreation (130100)
 - Attending Sports or Recreational Events (130200)
 - □ Waiting Associated with Sports, Exercise, and Recreation (130300)
 - Security Procedures Related to Sports, Exercise, and Recreation (130400)
 - Sports, Exercise, and Recreation, n.e.c. (139900)
- Religious and Spiritual Activities (140000)
- Volunteer Activities (150000)
- Telephone Calls (160000)
- Traveling (180000)
- Data Codes (500000)

	PUM IME USE	S ATUS AHT AMERICAN TIME HOME SELEC	US MTUS USE SURVEY EXT T DATA MY DA	RACT BUILDER	21 7474427423423	DATA CA YOUR DATA EXTR 10 VARIABLES 3 TIME USE VARI 6 SAMPLES	RT ACT ABLES	2176769
CREATE	TIME USE \	VARIABLE	1946594114915949794779	22224U92U9AN59222259292U9324339223	453217294574747	<u>VIEW CAR</u> T	[15321729
ACTIVITY	TIME OF DAY	SECONDARY ACTIVITY	LOCATION	WITH WHOM	NAM	E AND LABEL	SUMMARY	

Name indicates what your variable will be called in your data file. **Label** is the label associated with the variable you created. **Description** is not delivered with your data file; it is an optional field that you may use to describe the variable in greater detail and to store relevant notes.

Name	
Label	
Description	
	//

SAVE TIME USE VARIABLE

QUIT MAKING TIME USE VARIABLE

Sports, Exercise, and Recreation (130000)
Participating in Sports, Exercise, or Recreation (130100)
Doing aerobics (130101)
Playing baseball (130102)
Playing basketball (130103)
V Biking (130104)
Playing billiards (130105)
Boating (130106)
Bowling (130107)
Climbing, spelunking, caving (130108)
Dancing (130109)
🔤 🖸 Participating in equestrian sports (130110)
Tencing (130111)
Playing football (130113)
Golfing (130114)
Doing gymnastics (130115)
Playing hockey (130117)
Participating in martial arts (130119)
Playing racquet sports (130120)
Participating in rodeo competitions (130121)
Rollerblading (130122)
Playing rugby (130123)
🖸 Running (130124)
🔤 Skiing, ice skating, snowboarding (130125)
Playing soccer (130126)
Playing softball (130127)
🔤 Using cardiovascular equipment (130128)
····· 🖸 Vehicle touring or racing (130129)
Playing volleyball (130130)
···· 🗹 Walking (130131)
Participating in water sports (130132)
Weightlifting or strength training (130133)
Working out, unspecified (130134)
Wrestling (130135)
Doing yoga (130136)
Playing sports, n.e.c. (130199)

ACTIVITY	TIME OF DAY	SECONDARY ACTIVITY	LOCATION	WITH WHOM	NAME AND LABEL	SUMMARY	
----------	-------------	--------------------	----------	-----------	----------------	---------	--

Respondent activities are recorded as six-digit numbers (<u>ACTIVITY</u>). The first two digits correspond to a broad category, the middle two to a more detailed subcategory, and the final two to a specific activity within those categories. Users may select any combination of activities from the activity hierarchy to create time use variables.

[more info]

expand all | collapse all

IIA 🔳

- Personal Care (010000)
- Household Activities (020000)
- Caring for and Helping Household Members (030000)
- Caring for and Helping Non-Household Members (040000)
- Work and Work-Related Activities (050000)
- Education (060000)
- Consumer Purchases (070000)
- Professional and Personal Care Services (080000)
- Household Services (090000)
- □ Government Services and Civic Obligations (100000)
- Eating and Drinking (110000)
- Socializing, Relaxing, and Leisure (120000)
- Sports, Exercise, and Recreation (130000)
- Religious and Spiritual Activities (140000)
- Volunteer Activities (150000)
- Telephone Calls (160000)
- Traveling (180000)
- Data Codes (500000)

The location filter (<u>WHERE</u>) allows users to restrict the time use variable currently being created to a particular set of places or modes of transportation. The default selection is all locations, meaning that the times spent in each of the selected activities (given other filter selections) are added together regardless of where the activities occurred. When a location filter is applied, only times spent in the activities (given other filter selections) and locations specified are added together.

[more info]



	ATUS AHTUS MTUS AMERICAN TIME USE SURVEY EXTRACT BUILDER HOME SELECT DATA MY DATA FAQ HELP										,	DATA YOUR DA 10 VARIAR 3 TIME U 6 SAMPL	A CAF ATA EXTR BLES ISE VARIA ES	RT ACT ABLES		
												<u>VIE</u>	N CART			
	procosi		SE	LECT VARI	ABLE	S			554BGU		CREATE TIN	IE USE	C S	HANGE	CHANGE DATA	
	PERSON	ACTIVI	Y -	WHO	•	ELDERCARE 🕈	TIME USE	•	SEARCH							J.
<u> </u>																

START HERE



ATUS AHTUS MTUS AMERICAN TIME USE SURVEY EXTRACT BUILDER HOME | SELECT DATA | MY DATA | FAQ | HELP

DATA CART YOUR DATA EXTRACT 10 VARIABLES

3 TIME USE VARIABLES 6 SAMPLES

DATA CART

ADD MORE VARIABLES

CREATE DATA EXTRACT

ADD MORE SAMPLES

Clear Data Cart

In cart	Variable	Variable Label	<u>Type</u>	06	07	08	14	15	16
	YEAR	Survey year [preselected]	Н	Х	Х	Х	Х	Х	Х
	CASEID	ATUS Case ID [preselected]	Н	Х	Х	Х	Х	Х	Х
$\mathbf{\overline{\mathbf{N}}}$	PERNUM	Person number (general) [preselected]	Р	х	Х	Х	Х	Х	Х
$\mathbf{\overline{\mathbf{N}}}$	LINENO	Person line number [preselected]	Р	х	Х	Х	Х	Х	Х
$\mathbf{\overline{\mathbf{N}}}$	<u>WT06</u>	Person weight, 2006 methodology [preselected]	Р	х	Х	Х	Х	Х	Х
$\mathbf{\overline{\mathbf{N}}}$	ACTLINE	Activity line number [preselected]	Α	х	Х	Х	Х	Х	Х
$\mathbf{\overline{\mathbf{N}}}$	RECTYPE	Record Type	Н	х	Х	Х	Х	Х	Х
$\mathbf{\overline{\mathbf{N}}}$	EHWT	Eating and Health Module weight	Р	х	Х	Х	Х	Х	Х
$\mathbf{\overline{\mathbf{N}}}$	AGE	Age	Р	х	Х	Х	Х	Х	Х
$\mathbf{\overline{\mathbf{N}}}$	<u>SEX</u>	Sex	Р	Х	Х	Х	Х	Х	Х
$\mathbf{\overline{\mathbf{N}}}$	<u>GENHEALTH</u>	General health	Р	Х	Х	Х	Х	Х	Х
$\mathbf{\overline{\mathbf{N}}}$	<u>BMI</u>	Body Mass Index	Р	Х	Х	Х	Х	Х	Х
$\mathbf{\overline{\mathbf{N}}}$	<u>ACTIVITY</u>	Activity	А	Х	Х	Х	Х	Х	Х
$\mathbf{\overline{\mathbf{N}}}$	WHERE	Location of activity	Α	Х	Х	Х	Х	Х	Х
$\mathbf{\overline{\mathbf{N}}}$	DURATION_EXT	Duration of activity (extended version)	Α	Х	Х	Х	Х	Х	Х
$\mathbf{\overline{\mathbf{N}}}$	DURATION	Duration of activity	Α	Х	Х	Х	Х	Х	Х
	METVALUE	Metabolic equivalent (MET) value for activity codes	Α	Х	Х	Х	Х	Х	Х
Add to	Name	Label							
	Exercise_Tot	ACT: exerciseTot							
	Walkbike_nottrans	ACT: Walking/biking not as trans							
	walkbike_trans2	ACT: Walking/biking as trans							

DATA FORMAT AND STRUCTURE (HELP)

Data Format

If you choose the "Fixed-width text (.dat)" data format, you will additionally receive Stata, SPSS, and SAS syntax files to load your fixed-width extract data file. Alternatively, you can receive your data in one of the formats listed below.

Fixed-width text (.dat)

Stata (.dta)

SPSS (.sav)

SAS (.sas7bdat; does not include value labels)

Comma delimited (.csv)

Data conversion supplied by Stat/Transfer

Data Structure

○ Rectangular ○ person (recommended) ○ activity

Hierarchical

include eldercare

Sample Members

Respondents

O Respondents and Household Members

O Respondents and Non-respondents

O Respondents and Non-respondents plus Household Members



EXTRACT REQUEST (HELP)

SAMPLES:	6	(<u>show</u>)	<u>Change</u>
VARIABLES:	17	(<u>show</u>)	<u>Change</u>
TIME USE VARIABLES:	3	(<u>show</u>)	<u>Change</u>
DATA FORMAT:	.dat (fixed-width text)		<u>Change</u>
STRUCTURE:	Hierarchical		Change
SAMPLE MEMBERS:	Respondents		<u>Change</u>

OPTIONS

SELECT DATA QUALITY FLAGS

Include data quality flags for selected variables.

ATTACH CHARACTERISTICS

Attach data from mother, father, spouse or household head as a new variable (for example, education of mother).

Describe your extract

Revision of (extract for exercise 14: time in physical activity)

SUBMIT EXTRACT

EXTRACT REQUEST (<u>HELP</u>)

SAMPLES:	6	(show)	Change
VARIABLES:	17	(<u>hide</u>)	Change
Туре	Variable	Label	
н	RECTYPE	Record Type	
н	YEAR	Survey year	
н	CASEID	ATUS Case ID	
P	PERNUM	Person number (general)	
Р	LINENO	Person line number	
Р	<u>WT06</u>	Person weight, 2006 methodology	
Р	EHWT	Eating and Health Module weight	
Р	AGE	Age	
Р	<u>SEX</u>	Sex	
Р	GENHEALTH	General health	
Р	BMI	Body Mass Index	
Α	ACTLINE	Activity line number	
А	ACTIVITY	Activity	
А	WHERE	Location of activity	
А	DURATION EXT	Duration of activity (extended version)	
Α	DURATION	Duration of activity	
А	METVALUE	Metabolic equivalent (MET) value for activity	codes

	TIME USE	3	(hide)	<u>Change</u>
	VARIABLES:			
1	Fime Use Variable	Label		
E	Exercise Tot	ACT: exerciseTot		
١	Walkbike nottrans	ACT: Walking/biking not as tr	ans	
V	valkbike travel	walkbike_travel		
	DATA FORMAT:	.dat (fixed-width text)		Change
	STRUCTURE:	Hierarchical		Change
	SAMPLE MEMBERS:	Respondents		Change

OPTIONS

SELECT DATA QUALITY FLA	Include data quality flag					
ATTACH CHARACTERISTICS	Attach data from mother					

Include data quality flags for selected variables.

Attach data from mother, father, spouse or household head as a new variable (for example, education of mother).

Describe your extract

Revision of (extract for exercise 14: time in physical activity)



ATUS AHTUS MTUS AMERICAN TIME USE SURVEY EXTRACT BUILDER

HOME | SELECT DATA | MY DATA | FAQ | HELP

DATA CART YOUR DATA EXTRACT 10 VARIABLES 3 TIME USE VARIABLES 6 SAMPLES

VIEW CART

DOWNLOAD OR REVISE EXTRACTS

Use the links provided below to download a data extract (right-click the links for the data, command files, and codebook) or to revise an extract (that is, use a previous extract as the extract). For instructions on downloading and opening an extract on your computer go here. Note: data files will be available for 72 hours, after which they are subject to deletion.

Extract		Formatted	Fixed-width Text Files					Revise	Resubmit		Hide selections		
Number	Date	Data	Data	Co	omman	d Files (0	Codebo	ook 🕕	Extract	Extract	Description (click to edit)	Show all
22	2019-01-09									<u>revise</u>	<u>resubmit</u>	Revision of (extract for exercise 14: time in physical activity) rectangular file	
21	2019-01-08		Download .DAT	<u>SPSS</u>	<u>SAS</u>	<u>STATA</u>	<u>R</u>	Basic	DDI	revise		extract for exercise 14: time in physical activity	
20	2018-11-20									<u>revise</u>	<u>resubmit</u>		
19	2017-03-09			-	-	-	-			<u>revise</u>	<u>resubmit</u>	Revision of (Revision of (Revision of (Revision of (Revision of (Exercise 5: time spent exercising)))))	
18	2017-02-23			-	-	-	-			<u>revise</u>	<u>resubmit</u>	Revision of (Revision of (Revision of (Revision of (Exercise 5: time spent exercising))))	
17	2017-02-23			-	-	-	-			<u>revise</u>	<u>resubmit</u>	Revision of (Revision of (Revision of (Exercise 5: time spent exercising)))	
16	2017-02-23			-	-	-	-			<u>revise</u>	<u>resubmit</u>	Revision of (Revision of (Exercise 5: time spent exercising))	
15	2017-02-21			-	-	-	-			revise	<u>resubmit</u>	Revision of (Exercise 5: time spent exercising)	
14	2017-02-10			-	-	-	-			revise	<u>resubmit</u>	Exercise 5: time spent exercising	
13	2016-06-10			-	-	-	-			<u>revise</u>	<u>resubmit</u>	added care for household and nonhousehold children	
12	2016-01-11			-	-	-	-			<u>revise</u>	<u>resubmit</u>	Revision of (Revision of (study of teen time use)) changed the school time use variable	
11	2016-01-11			-	-	-	-			revise	<u>resubmit</u>	Revision of (study of teen time use)	
10	2016-01-10			-	-	-	-			revise	<u>resubmit</u>	study of teen time use	
6	2012-03-16									<u>revise</u>	<u>resubmit</u>	2008,9,10 data with all household members	
5	2011-08-31									revise	<u>resubmit</u>	2009 data with all household members	
Download and Analyze Data



Next Steps

 Download data in text format and command files in your specific software package (SPSS, SAS, Stata, R)

 Download and copy codebook into Word (landscape)



Create Analytic File

- Must first extract your data from its GZ compressed format using zip software such as 7 Zip (free).
- Then change the command file program to show where the data file is located and where to deposit the analysis file after it is created.
- Instructions are on the IPUMS web site:
- <u>https://www.atusdata.org/atus/extract_instru</u> <u>ctions.shtml</u>

Analysis Strategy

- Use SAS, Stata, or SPSS to recode and analyze data
- Guides for using SAS, Stata, SPSS to create time diary variables are available at bottom of page: <u>https://www.atusdata.org/atus/training_materials.shtml</u>
- For specific SAS and STATA codes for this exercise, see workshop answers for exercise 7.
- We will be happy to spend time showing how to run specific analyses for exercise 7 in another session or one-on-one sessions

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
- RECTYPE Record Type
- 1 H
- 2 P
- 3 A
- 4 W
- 5 R

Hierarchical

- Five record types
 - Household, Person, Activity, Who, Elder care recipient
- 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

Hierarchical Data:

 \equiv

What they Look Like

\rightarrow	H2006010106000102006
\rightarrow	P200601010600010200601001000338457485960707301060100000
\rightarrow	A2006010106000102006
\rightarrow	W2006010106000102006
\rightarrow	A2006010106000102006
\rightarrow	W2006010106000102006
\rightarrow	A2006010106000102006
\rightarrow	W2006010106000102006
\rightarrow	H2006010106001402006
\rightarrow	P200601010600140200601001000347906790572103302060100000
	A2006010106001402006
	W2006010106001402006
	A2006010106001402006
	W2006010106001402006
	A2006010106001402006
	W2006010106001402006
\rightarrow	P2006010106001402006020020000000000000000
\rightarrow	P20060101060014020060300300000000000000000000000000000
\rightarrow	H2006010106003302006
\rightarrow	P200601010600330200601001000517444727416601902060100390
	A2006010106003302006
	W2006010106003302006
\rightarrow	A2006010106003302006
\rightarrow	W2006010106003302006
\rightarrow	W2006010106003302006
	A2006010106003302006
	W2006010106003302006



Basic Person Record for all Household Persons

Reading each record (order of main vars will vary depending upon your statistical package)

- Record type 1
- Year 2-6
- CaseID 7-20 (last 4 digits are year)
- Person number 21-22
- Line number 23-25
- Weight 26-42

Hierarchical File

Strategy:

- 1. Divide the hierarchical file into two:
 - the person records and
 - All activity records.
- 2. Create new time diary variables that summarize daily time for each person that meet specific MET criteria.
- 3. Merge the now person-specific time diary variables with the person record for each person.
- 4. Recode the demographic and health variables and conduct means (weighted by EHWT) of exercise and physical activity time by categories of self-reported health and BMI to summarize data.

Rectangular Data: What they Look Like

Rectangular/Activity file

1. Create new time diary variables that meet specific MET criteria to summarize daily moderate/vigorous time for each person over all their daily activities. Retain demographic and health variables.

2. Retain one record per person.

3. Recode the demographic and health variables and conduct means (weighted) of exercise and activity time by categories of self-reported health and BMI to summarize data.

Exercise 7. Minutes Per Day Spent in Physical Activity by BMI and Health, 2006-08, 2014-16

BMI		Total Exercise	Exercise: Walking, Biking	Transportati on: Walking, Biking	Moderate Activities	Vigorous Activities	Moderate or Vigorous Activities N	
	Underweight	20.2	3.9	4.1	47.2	10.2	57.4	1,764
	Normal	24.6	5.0	3.9	84.0	7.3	91.2	22,685
	Overweight	19.2	4.7	2.5	94.1	3.9	98.0	23,124
	Obese	14.1	2.6	1.6	90.8	2.3	93.2	15,819
	Extremely Obese	13.5	4.0	3.5	82.6	3.0	85.6	6,488
Gene	eral Health Status							
	Excellent	30.9	5.2	4.1	89.9	9.6	99.4	12,747
	Very Good	23.4	5.2	2.5	90.0	5.4	95.5	23,523
	Good	3.2	3.8	2.3	90.2	2.3	92.5	21,260
	Fair	8.7	3.2	2.8	83.0	2.3	85.3	8,612
	Poor	7.3	3.0	4.6	42.5	0.4	42.9	2,941



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Want More?

https://www.atusdata.org/atus/training_materials.shtml

Thanks for your participation!

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