



Using the American Time Use Survey to examine energy expenditures



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About the ATUS

- ◆ Large sample (subset of CPS sample)

 - 2003: 21,400 completed interviews

 - 2004: 14,000 (est.) completed interviews

 - (NHAPS 1992-1994: 7,515 interviews)

- ◆ Continuous survey

 - Will have quarterly data

- ◆ Representative of U.S population

- ◆ 58% response rate in 2003 (AAPOR RR2)



How ATUS data are collected

- ◆ Designated respondent (no proxies)
- ◆ Designated day (no substitution)
- ◆ 24-hour recall about "yesterday"
 - No paper diary
 - 4 a.m. on day before interview to 4 a.m. on interview day (designated day)



How ATUS data are collected

- ◆ Selected CPS information updated

- household roster

- school enrollment

- employment status

- industry & occupation

- earnings

- ◆ Previous day's activities recorded by interviewer in respondent's own words

- ◆ Activities coded to ATUS activity classification scheme (coding lexicon)

The ATUS coding lexicon




- ◆ 17 major categories
- ◆ 105 second-tier categories
- ◆ 438 third-tier categories



Examining energy expenditures:

How ATUS can help



◆ CPS demographic and labor force information

--sex, race, ethnicity, age, education, employment, hh makeup (single parent, etc.)

◆ Flexibility of coding lexicon

--Can organize/re-group activities with similar metabolic expenditure values

◆ Activity durations



How ATUS can help

◆ Where codes

Place:

Respondent's home or yard
Respondent's workplace
Someone else's home
Restaurant/Bar
Place of worship
Grocery Store
Other store/Mall
Outdoors away from home
Library
Other place (specify)

In-transit:

Car, truck, motorcycle (driver)
Car, truck, motorcycle
(passenger)
Walking
Bus
Subway or Train
Bicycle
Boat or Ferry
Taxi or Limousine
Airplane
Other transportation (specify)




How ATUS can help

- ◆ Sports & exercise activity categories
- ◆ Travel time associated with activity categories
- ◆ Walking
 - Walking for exercise
 - Walking as a mode of transport(Coding rules specify how to classify)

What ATUS cannot provide



- ◆ Information on simultaneous activities
 - ◆ Detailed information on paid work activities
 - Respondent's industry and occupation
 - Where code ("respondent's workplace")
 - ◆ Accurate information on commuting
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Questions?

The End

