Agenda for Tuesday-Thursday, June 12-14, 2007

Tuesday, June 12

Instructors: Ken Bryson and Pamela Klein, U.S. Census Bureau

8:30-9:00 Registration
9:00-9:15 Introductions of Course Instructors and Participants
9:15-10:15 American Community Survey (ACS) Overview
10:15-10:30 Break
10:30-11:00 Group Quarters in the ACS
11:00-11:30 Multi-year Estimates in the ACS
11:30-12:00 Public Use Microdata Areas (PUMAs) in the ACS
12:00-1:30 Lunch
1:30-2:30 Exercises Using DataFerrett – Case Study A
2:30-2:45 Break
2:45-3:45 Exercises Using DataFerrett – Case Study B
3:45-4:45 Exercises Using DataFerrett – Case Study C
4:45-5:00 Questions and Answers
5:00-7:00 Reception
   Wolverine Room
   Michigan Union
Wednesday, June 13

Instructor: Barry Edmonston, University of Victoria

9:00-9:15 Introduction and Overview of Schedule for Wednesday and Thursday

9:15-10:15 ACS Concepts, Definitions, and Overview (this session will emphasize key points from Tuesday’s presentations and include additional discussion of topics not covered sufficiently in the first day)
   1. ACS overview
   2. ACS data collection process
   3. Population control for sample estimates
   4. Coverage of housing units, persons, and group quarters
   5. Key definitions
   6. Differences from traditional census sample data
      a. Data content: what’s in the questionnaire
      b. Variable definitions
      c. Temporal aggregation: reference date, reference period, and multi-year data
      d. Residence rules

10:15-10:30 Break

10:30-11:00 ACS Data, Part I
   1. Data types and structure

11:00-12:00 Computer lab exercises
   1. Accessing ACS profiles
   2. Accessing ACS tables: viewing tables
   3. Table topics
   4. Accessing tables: tables by type and geography

12:00-1:30 Lunch

1:30-1:45 Introduction to afternoon schedule

1:45-2:30 Guest Speaker:
   Margaret C. Levenstein
   Executive Director
   Michigan Census Research Data Center
   Associate Research Scientist
   Institute for Social Research
   University of Michigan

2:30-2:45 Break
2:45-3:30
ACS Data, Part II
2. Geographic concepts: Nation….Blocks; MSA, incorporated places, administrative areas
3. Data access
4. Cumulative samples
5. Multi-year statistics

3:30-5:00
Computer lab exercises
1. General methods for accessing tables
2. Importance of universe selected
3. Standard errors
4. Confidence intervals
5. Statistical tests: difference of means and proportions
6. Case Study A: obtain descriptive statistics, prepare charts, and measure changes for a designated community.
7. Case Study B: prepare similar tables for several MSA’s, using means and descriptive statistics for the comparisons

Thursday, June 14

Instructor: Barry Edmonston, University of Victoria

9:00-9:15
Overview of activities for Thursday

9:15-10:00
Interpreting ACS Data
1. Sources of error
2. Counts, proportions, and other measures
3. Sampling error
4. Sampling weights
5. Imputation

10:00-10:15
Break

10:15-12:00
Accessing ACS Data: PUMS
1. Data availability by geography and multiyear
2. Record types: housing units and persons
3. Accessing data

Computer lab exercises
1. Accessing PUMS data
2. Simple forms of analysis: housing units
3. Simple forms of analysis: persons
4. Case Study C: prepare tables for labor force participation rates using 2003 PUMS data for New Jersey (a data set will be available for analysis)

12:00-1:30 Lunch

1:30-1:45 Introduction to afternoon schedule

1:45-2:45 Advanced ACS Analysis
   1. Merging ACS data with other administrative data: present example using ACS with administrative data for Portland Public Schools to show relationship of births, new housing construction, and changes in school enrollments
   2. PUMS record linkage: show example of linking housing unit data to head of household for analysis of homeownership; show example of linking husbands and wives for analysis of racial intermarriage; show example of linking parents and children for analysis of children and their parents

2:45-3:00 Break

3:00-4:45 Computer lab exercises
   1. Case Study D: linking 2003 PUMS person records for children and their mothers for analysis of children's poverty status Missouri (a data set will be available for analysis)
   2. Case Study E: linking 2003 PUMS housing and person records for Oregon for analysis of homeownership rates (a data set will be available for analysis)
   3. Case Study F (time permitting): participants to work on a topic of their special interest

4:45-5:00 Final wrap-up and adjournment