2005-2007 American Community Survey 3-Year Summary File Sample SAS ™ Programs

The American Community Survey Office has provided sample SAS ™ programs for each Summary File data file. By using the ASCII ACS summary files as input to these programs, SAS datasets can be generated.

Sample SAS Programs

ACSsfGeo.sas - Creates a SAS data set from the ASCII text for one geographic file

SF001e.sas - Creates a SAS data set from ASCII text data (estimates) for file number one

SF001m.sas - Creates a SAS data set from ASCII text data (Margins of Error) for file number one

SF001s.sas - Creates a SAS data set from ASCII text data (Standard Error) for file number one

The four sample programs above should be run in the following order: 1.) **ACSsfGeo.sas**, 2.) **SF001e.sas**, 3.) **SF001m.sas**, and 4.) **SF001s.sas**

sascode.zip - Contains 22,000+ sas programs, one for each summary file, which can be used to convert each estimate, margin of error, or standard error summary file into a SAS Dataset, which include table stubs. The libname

Summary_file_example_macros.sas – This is a detailed example SAS program containing SAS macros which accesses the three different type of Summary File estimates for one table for all geographies from the ACS summary file. It is recommended that you review this document before using this SAS program.
http://www2.census.gov/acs2007_3yr/summaryfile/ACS_2005-2007_Summary_File_Worked_Example_advanced.pdf

Basic Instructions for Using the Sample SAS Programs

Light modifications need to be made to these SAS programs before using them. The SAS programs included in the sascode.zip have variable and value labels. Using SAS, a data user can open any of the programs, edit the libname and infile statements of the program, and modify the input, output file names and the directories being used to store data to reference the summary files after they have been copied onto the user's computer. Data users may also want to delete columns from output SAS data set not being used to reduce the data set size. After these modifications are made, these programs should be able to run using SAS. Users who do not have SAS are free to read these ACSII summary files into any program of their choice. All values in the ASCII summary files are in CSV-format (comma-separated values).

Sample SAS Code showing how to combine the contents of the data files with the geographic file:

```
/* Add a libname statement referencing the directory being used */

/* Sort all four summary file files by LOGRECNO */

PROC SORT data=census.g20071co;
        by LOGRECNO;
RUN;

PROC SORT data=census.SFe001co;
        by LOGRECNO;
RUN;

PROC SORT data=census.SFm001co;
        by LOGRECNO;
RUN;

PROC SORT data=census.SFs001co;
        by LOGRECNO;
RUN;

/* Merge all four files by LOGRECNO */

DATA census.coall;
MERGE census.g20071co census.SFe001co census.SFm001co census.SFs001co;
        by LOGRECNO;
RUN;
```