

WORKING P A P E R

The Los Angeles Neighborhood Services and Characteristics Database: Codebook

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PREFACE

This document describes the content and structure of the Los Angeles Neighborhood Services and Characteristics (L.A.NSC) database. The database was developed for use with Wave 1 of the Los Angeles Family and Neighborhood Survey (L.A.FANS-1), which was fielded in 2000-2001.

The L.A.NSC contains contextual variables for all Los Angeles County census tracts, based on tract definitions from the 1990 Census. The choice of 1990 Census for the L.A.NSC tracts reflects the use of these geographic units to sample neighborhoods for L.A.FANS.

The contextual measures describe tract demographic, social, economic, and physical characteristics. The data are primarily for 1990, although the range of years covered by the measures is from 1980 to 2003. The L.A.NSC database is designed to support multilevel analyses of the L.A.FANS data, but has many other potential uses.

This document serves as the codebook for the L.A.NSC. The L.A.NSC database is available to the public through the L.A.FANS web site: www.lasurvey.rand.org. The database is available in both SAS export format and Stata format. There is a single file in SAS Version 8 LINUX format, which is because it has characteristics that do not conform to SAS export format.

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GLOSSARY

Abbreviation	Definition
L.A.NSC	Los Angeles Neighborhood Services and Characteristics
L.A.FANS	Los Angeles Family and Neighborhood Survey
SPA	Service Planning Area of Los Angeles County
SF-3	Summary File 3, prepared by the U.S. Census Bureau and containing tabulations of selected demographic and socioeconomic characteristics of the U.S. population by various geographic levels
First-Order Contiguous Tracts	All tracts that share a border a particular tract, excluding the index tract itself
Second-Order Contiguous Tracts	All tracts that share a border with a first-order contiguous tract, excluding the first-order contiguous tracts and the index tract
ABI	American Business Information

1. INTRODUCTION

The Los Angeles Neighborhood Services and Characteristics (L.A.NSC) database is a set of contextual data files for Los Angeles County. The database was developed for the Los Angeles Family and Neighborhood Survey (L.A.FANS), a longitudinal study of children and families and of the neighborhoods in which they live. The L.A.NSC assembled data from a variety of sources for census tracts in L.A. County, based on 1990 census tract definitions. Wave 1 of L.A.FANS was fielded in 2000–2001, and data from the L.A.NSC cover the period of 1980 to 2003—with a majority of the variables from 2000.

The L.A.NSC database includes information on neighborhood services, population characteristics, housing characteristics, family and household socioeconomic status, education, employment and earnings, and health care services and facilities. Data sources include the 1980, 1990, and 2000 U.S. Censuses, California Association of Realtors, Labor Market Information Group of the California Employment Development Department, and InfoUSA.

The NSC database consists of the following data files:

- LA_CORE: Core data file with one record per 1990 Census tract in Los Angeles County. The file contains 1980 and 2000 Census tract crosswalks; 1991 ZIP code crosswalks; lists of first-order and second-order contiguous tracts; 1990 population counts; Service Planning Area (SPA) code;¹ and size of tract. The variable TRACT90 is used for linking data files. There are 1,652 tract records.
- NSC_BUS: File of business and economic data for 1990 Census tracts. File contains 1999–2001 quarterly employment and payroll estimates; 1999 and 2000 counts of neighborhood social services by type; 1999 and 2000 counts of businesses by number of employees and sales volume; and 1991–2001 mean and median housing prices and units sold. The variable TRACT90 is used for linking data files. There are 3,198 tract records because the file includes housing and payroll data for neighboring counties.
- NSC_POP: File of demographic data for 1990 Census tracts. File contains 1980, 1990, and 2000 population counts by race, sex, and age; counts of housing units; and median household income in 1999. The variable TRACT90 is used for linking data files. There are 1,653 tract records.
- NSC_POV: File of poverty and welfare-related data for 1990 Census tracts. File contains 1997 estimates of total population and population in poverty by race and age; household median income

¹ Los Angeles County is divided into eight Service Planning Areas for purposes of planning, service coordination, and information and data sharing among county agencies and non-profits. See <http://lapublichealth.org/spa/spawhat.htm> for more information.

in 1995; and counts of welfare recipients by program and by race for 1995. The variable TRACT90 is used for linking among data files. There are 1,639 tract records.

NSC_STF3: File of 2000 Census variables for 1990 Census tracts. File contains summary measures created from SF-3 variables plus similar measures for first-order and second-order tracts for all of Los Angeles County. It has some primary SF-3 variables that were used to create the given analytic measures. The variable TRACT90 is used for linking among data files. There are 1,652 tract records.

The L.A.NSC files are available in SAS export format (except for NSC_STF3 which is in SAS V8 LINUX only) and Stata Version 8 format from the L.A.FANS web site:

www.lasurvey.rand.org.

In the remainder of the document we outline the construction and contents of the L.A.NSC database and provide more information about the data sources. Complete file contents are presented in Appendix B.

2. THE LA_CORE DATA FILE

The LA_CORE file includes basic information on all census tracts in Los Angeles County, including geographic identifiers and population counts. The 1990 Census tract variable, TRACT90, is used for linking to the other L.A.NSC files and to L.A.FANS Restricted Data files. Because tract boundaries changed between decennial censuses, the LA_CORE file provides crosswalks between the 1990 Census tracts and the 1980 and 2000 Census tracts. The file also includes a crosswalk between 1990 Census tracts and 1991 ZIP codes, which are the geographic reporting unit for other relevant contextual data. The LA_CORE file therefore can be used to convert data with the following geographic units to 1990 Census tract geographic units:

- 2000 Census tracts;
- 1980 Census tracts; and
- ZIP codes (excluding single-use and P.O. box ZIP codes).

For each tract in the file, the LA_CORE file identifies all other 1990 tracts that are contiguous to it. First-order contiguous tracts are those tracts that border a given tract, excluding the index tract itself. Second-order contiguous tracts are those that border the first-order tracts, excluding the first-order tracts and the index tract. Information on contiguous tracts can be used to describe concentric areas surrounding a given tract, thus providing alternative measures of neighborhoods or the ability to examine spatially-lagged contextual effects.

Below we outline the contents of the LA_CORE file and the data sources.

VARIABLES IN LA_CORE

Identifying Variables

TRACT90: A 12-character field that contains Federal Information Processing Standards (FIPS) codes for state and county plus the census tract (SSCCCXXX.XX). The FIPS county code for Los Angeles is 06037; Riverside is 06065; San Bernardino is 06071; Ventura is 06111; Orange is 06059; Kern is 06029; Inyo is 06027; San Diego is 06073; and Santa Barbara is 06083.²

² For more information, see <http://www.census.gov/geo/www/fips/fips65/index.html>.

CTRACT: A 7-character field that contains the Los Angeles County census tract code in the format of XXXX.XX

SPA: The Service Planning Area (SPA) in which the tract is located (see Footnote 1 for more information)

INDUST99: An indicator that the 1990 tract code ends in "99", which denotes a tract in an industrial area. Tracts in industrial areas may not have tract-level data in other L.A.NSC files.

STRATA: L.A.FANS poverty strata for each tract. Tracts in Los Angeles County were divided into three strata based on the percent of the tract's population in poverty using 1997 poverty estimates: 1=Very Poor (tracts in the top 10 percent of the poverty distribution); 2=Poor (tracts in the 60th-89th percentiles; and 3=Non-Poor (tracts in the bottom 60 percent of the distribution).³

Tract Area in 1990

AREA90KM: Census tract area in square kilometers

AREA90SM: Census tract area in square miles

Mapping of 1980 Census Tracts to 1990 Census Tracts

NTRACT80: Count of 1980 Census tracts that contain a portion of the 1990 Census tract.

TR80_1-TR80_5: Codes identifying each of the 1980 Census tracts that contain a portion of the 1990 Census tract (in 12-character format).

PRP80_1-PRP80_5: Proportion of the population of each of the 1980 Census tracts allocated to the 1990 Census tract.

Mapping of 1990 Census Tracts to 1991 ZIP Codes

NZIP91: Count of 1991 ZIP codes that contain a portion of the 1990 Census tract.

ZIP91_1-ZIP91_5: Codes identifying each of the 1991 ZIP codes that contain a portion of the 1990 Census tract.

³ For additional details, see Narayan Sastry, Bonnie Ghosh-Dastidar, John Adams, and Anne R. Pebley (2006), "The Design of a Multilevel Survey of Children, Families, and Communities: The Los Angeles Family and Neighborhood Survey," *Social Science Research* 35(4): 1000-24.

ALLOC_1-ALLOC_5: Proportion of 1990 Census tract population allocated to each ZIP code. (NB: Allocation proportions sum to 1 for each tract.)

Mapping of 1990 Census Tracts to 2000 Census Tracts

NTRACT00: Count of 2000 Census tracts that contain a portion of the 1990 Census tract.

TR00_1-TR00_10: Codes identifying each of the 2000 Census tracts that contain a portion of the 1990 tract (in 12-character format).

PRP00_1-PRP00_10: Proportion of the population of each of 2000 Census tracts allocated to the 1990 Census tract.

PRP90_1-PRP90_10: Proportion of the 1990 Census tract population allocated to each of the 2000 Census tracts. (NB: Proportions sum to 1.)

Contiguous Census Tracts

CONT_A: Count of first-order contiguous tracts.

CONT_B: Count of second-order contiguous tracts.

CONT_A1-CONT_A22: Codes identifying each of the 1990 Census tracts that are first-order contiguous to the index tract (in 12-character format).

CONT_B1-CONT_B5: Codes identifying each of the 1990 Census tracts that are second-order contiguous to the index tract (in 12-character format).

1990 Census Tract Population Counts

TOTPOP90: Total Census tract population in 1990.

TOTHH90: Total number of households in Census tract in 1990.

NHWHIT90: Total non-Hispanic white population in Census tract in 1990.

BLACK90: Total black population in Census tract in 1990.

LATINO90: Total Latino population in Census tract in 1990.

API90: Total Asian/Pacific Islander population in Census tract in 1990.

OTHER90: Total other race population in Census tract in 1990.

HOW TO USE THE 1980 TO 1990 TRACT CROSSWALK

The 1980-to-1990 tract crosswalk allows data users to generate estimates for 1990 tracts using data that are geocoded based on 1980 tracts, such as variables from the 1980 Census.

Specifically, data users can create estimates for 1990 tracts as a population-weighted sum or average of 1980 tract characteristics. The weights are provided in the variables PRP80_1–PRP80_5, which represent the proportion of the population in each relevant 1980 tract that is assigned to the 1990 tract.⁴ The variable NTRACT80 indicates the number of 1980 Census tracts from which the 1990 census tract was constructed, with the maximum being five. The variables TR80_1 to TR80_5 provide the 1980 Census identifying codes for these tracts.

To illustrate the use of this crosswalk, consider estimating the population in 1980 for a 1990 Census tract. Population counts in 1980 are available for each 1980 tract from the 1980 Census. Data users would first multiply the 1980 tract population count by the corresponding PRP80 variable for each 1980 tract and then sum the resulting products to obtain a weighted sum that represents an estimate of the population in 1980 for the 1990 tract.

Note that for 1990 tracts, the sum of the allocation proportions from 1980 tracts can be more or less than one. For example, if two complete 1980 tracts were combined to form a 1990 tract, then the sum of the allocation proportions would be 2. Similarly, if half of one tract and one-quarter of another tract were combined to form a new 1990 tract, the sum of the allocation proportions would be 0.75. Finally, if a 1980 tract was divided and a new 1990 tract was formed from two-thirds of the original, then the allocation proportion would be 0.67.

HOW TO USE THE 2000 TO 1990 TRACT CROSSWALK

Data that are geocoded by 2000 tracts, such as data from the 2000 Census, can be used to generate estimates for 1990 tracts using the procedures described above. In particular, data users can calculate population-weighted sums or averages of 2000 Census tract characteristics based on the variables PRP00_1–PRP00_5, which represent the proportion of the population in each relevant 2000 tract that is assigned to the 1990 tract. The variable NTRACT00 indicates the number of 2000 Census tracts that contain part or all of each 1990 tract, with the maximum number being 10. The variables TR00_1 to TR00_10 provide the 2000 Census identifying codes for these tracts.

The LA_CORE file also includes a set of variables (TR00_1 to TR00_10) that identify the proportion of the 1990 population in each of the corresponding 2000 census tracts.

⁴ The weights are constructed by matching individual Census blocks to both the 1980 and 1990 tracts. The allocation fractions are calculated by summing the population counts across all blocks in a 1980 Census tract that were assigned to the same 1990 Census tract and then dividing this sum by the total population for the 1980 Census tract. Alternative allocation fractions that incorporate weighting by land area or housing units are available at <http://mcfdc2.missouri.edu/websas/geocorr90.shtml>.

HOW TO USE THE 1991 ZIP TO 1990 TRACT CROSSWALK

The procedure described above can be used to generate estimates for 1990 tracts based on data that are geocoded by 1991 ZIP codes. Population-weighted sums or averages of 1991 ZIP code characteristics can be calculated using the variables ALLOC_1–ALLOC_5, which indicate the proportion of the population in each 1991 ZIP code that is assigned to the 1990 tract. The variable NZIP91 indicates the number of 1991 ZIP codes that contain all or part of each 1990 census tract, with the maximum number being 5. The variables ZIP91_1–ZIP91_5 identify the specific 1991 ZIP codes that correspond to each 1990 tract. Only 5-digit ZIP codes are used.

The ZIP-to-tract crosswalk allocation factors (ALLOC_1 to ALLOC_5) sum to one, and can be interpreted as the proportion of each tract that has the characteristics of the corresponding ZIP.

HOW TO USE CONTIGUOUS TRACTS TO CREATE SPATIAL MEASURES

A template SAS program for constructing spatially-lagged variables based on information about contiguous tracts is provided in Section 4 of Appendix A. The program uses SQL to link information from a file with characteristics for all tracts to a file that identifies the contiguous tracts for a given tract. The documentation within the program explains how to use the LA_CORE file and another 1990 tract-level file to spatially-lagged measures for first- and second-order contiguous tracts. This program can be adapted for use in other related applications. Using or modifying the program requires knowledge of SAS.

DATA SOURCES

The mapping of tract definitions between 1980 and 1990 is from MABLE (Master Area Block Level Equivalency)/Geocorr Geographic Correspondence Engine V3.01 for the 1990 Census. More information on this tool can be found at <http://www.oseda.missouri.edu/plue/geocorr/>.

The 1990–2000 tract mapping is from a conversion table that was generated from the Census Bureau’s 2000–1990 tract relationship file available at http://www.census.gov/geo/www/relate/rel_tract.html.

The 1991 ZIP to 1990 tract mapping is from the MABLE (Master Area Block Level Equivalency)/Geocorr Geographic Correspondence Engine V3.01 for the 1990 Census. More information on this tool can be found at <http://www.oseda.missouri.edu/plue/geocorr/>.

First-order contiguous 1990 tracts for Los Angeles County were identified using ArcView and include any adjacent tracts that are in neighboring counties. Second-order contiguous tracts were created from the list of first-order contiguous tracts. Thus, for tracts on or near Los

Angeles County borders, not all second-order contiguous tracts in neighboring counties are identified.

3. THE NSC_BUS DATA FILE

The NSC_BUS file contains measures of neighborhood services, housing prices and sales, and employment and payroll counts in each Los Angeles County Census tract. The TRACT90 variable is used to link records with other L.A.NSC files.

VARIABLES IN NSC_BUS

Identifying Variables

TRACT90: A 12-character field that contains FIPS codes for state and county plus the census tract (SSCCCXXXX.XX). The FIPS county code for Los Angeles is 06037; Riverside is 06065; San Bernardino is 06071; Ventura is 06111; Orange is 06059; Kern is 06029; Inyo is 06027; San Diego is 06073; and Santa Barbara is 06083.

CTRACT: A 7-character field that contains the Los Angeles County census tract code in the format of XXXX.XX

Indicators for Data Availability

IN_ABI: Tract included in ABI data

IN_HSP: Tract included in housing price data

IN_PAY: Tract included in employment payroll data

Number of ZIP Codes that Overlap Tract

NZIPHPRC: Number of ZIP codes that overlap tract for housing price data

NZIPPAYR: Number of ZIP codes that overlap tract for payroll data

Counts of Neighborhood Services in 1999 and 2000

SIC99832, SIC00832: Number of individual and family social service providers in 1999, 2000

SIC99833, SIC00833: Number of job training and vocational rehabilitation service providers in 1999, 2000

SIC99835, SIC00835: Number of child day care service providers in 1999, 2000

SIC99836, SIC00836: Number of residential care service providers in 1999, 2000

SIC99839, SIC00839: Number of social service providers, NEC in 1999, 2000

SIC99861, SIC00861: Number of business associations in 1999, 2000

SIC99862, SIC00862: Number of professional membership organizations in 1999, 2000

SIC99863, SIC00863: Number of labor unions/labor organizations in 1999, 2000

SIC99864, SIC00864: Number of civic/social/fraternal associations in 1999, 2000

SIC99865, SIC00865: Number of political organizations in 1999, 2000

SIC99866, SIC00866: Number of religious organizations in 1999, 2000

SIC99869, SIC00869: Number of membership organizations, NEC, in 1999, 2000

SIC99921, SIC00921: Number of courts in 1999, 2000

SIC99922, SIC00922: Number of public order and safety organizations in 1999, 2000

Counts of Business Establishments by Employee Size in 1999 and 2000

ESC99_A, ESC00_A: Number of businesses with 1-4 employees in 1999, 2000

ESC99_B, ESC00_B: Number of businesses with 5-9 employees in 1999, 2000

ESC99_C, ESC00_C: Number of businesses with 10-19 employees in 1999, 2000

ESC99_D, ESC00_D: Number of businesses with 20-49 employees in 1999, 2000

ESC99_E, ESC00_E: Number of businesses with 50-99 employees in 1999, 2000

ESC99_F, ESC00_F: Number of businesses with 100-249 employees in 1999, 2000

ESC99_G, ESC00_G: Number of businesses with 250-499 employees in 1999, 2000

ESC99_H, ESC00_H: Number of businesses with 500-999 employees in 1999, 2000

ESC99_I, ESC00_I: Number of businesses with 1,000-4,999 employees in 1999, 2000

ESC99_J, ESC00_J: Number of businesses with 5,000-9,999 employees in 1999, 2000

ESC99_K, ESC00_K: Number of businesses with 10,000 or more employees in 1999, 2000

Counts of Business Establishments by Sales Volume in 1999 and 2000

SVC99_A, SVC00_A: Number of businesses with sales < \$500K in 1999, 2000

SVC99_B, SVC00_B: Number of businesses with sales of \$500K to \$1 million in 1999, 2000

SVC99_C, SVC00_C: Number of businesses with sales of \$1 million to \$2.5 million in 1999, 2000

SVC99_D, SVC00_D: Number of businesses with sales of \$2.5 million to \$5 million in 1999, 2000

SVC99_E, SVC00_E: Number of businesses with sales of \$5 million to \$10 million in 1999, 2000

SVC99_F, SVC00_F: Number of businesses with sales of \$10 million to \$20 million in 1999, 2000

SVC99_G, SVC00_G: Number of businesses with sales of \$20 million to \$50 million in 1999, 2000

SVC99_H, SVC00_H: Number of businesses with sales of \$50 million to \$100 million in 1999, 2000

SVC99_I, SVC00_I: Number of businesses with sales of \$100 million to \$500 million in 1999, 2000

SVC99_J, SVC00_J: Number of businesses with sales of \$500 million to \$1 billion in 1999, 2000

SVC99_K, SVC00_K: Number of businesses with sales of \$1 billion or more in 1999, 2000

Housing Prices by Type of Housing for 1991 to 2002

P10_1991-P10_2002: Mean price for all types of housing, 1999-2002

P11_1991-P11_2002: Mean price of single family homes, 1999-2002

P12_1991-P12_2002: Mean price of townhomes/condos, 1999-2002

M10_1991-M10_2002: Median price all home types, 1999-2002

M11_1991-M11_2002: Median price of single family homes, 1999-2002

M12_1991-M12_2002: Median price of townhomes/condos, 1999-2002

N10_1991-N10_2002: Number of units sold for all home types, 1999-2002

N11_1991-N11_2002: Number of units sold for single family homes,
1999-2002

N12_1991-N12_2002: Number of units sold for townhomes/condos, 1999-
2002

Employment and Payroll Counts for 1999 to 2001 (Third Quarter)

EMP1_99-EMP1_01: Average employment in the first quarter of the year,
1999-2001

EMP2_99-EMP2_01: Average employment in the second quarter of the
year, 1999-2001

EMP3_99-EMP3_01: Average employment in the third quarter of the year,
1999-2001

EMP4_99-EMP4_00: Average employment in the fourth quarter of the
year, 1999-2000

PAY1_99-PAY1_01: Total payroll for the first quarter of the year,
1999-2001

PAY2_99-PAY2_01: Total payroll for the second quarter of the year,
1999-2001

PAY3_99-PAY3_01: Total payroll for the third quarter of the year,
1999-2001

PAY4_99-PAY4_00: Total payroll for the fourth quarter of the year,
1999-2000

FIRM1_99-FIRM1_01: Number of firms in the first quarter of the year,
1999-2001

FIRM2_99-FIRM2_01: Number of firms in the second quarter of the year,
1999-2001

FIRM3_99-FIRM3_01: Number of firms in the third quarter of the year,
1999-2001

FIRM4_99-FIRM4_00: Number of firms in the fourth quarter of the year,
1999-2000

DATA SOURCES

Data on neighborhood services for 1999 and 2000 were obtained from the American Business Information (ABI) database produced by InfoUSA. ABI collects and verifies information on businesses from various sources (e.g., yellow pages, business white page, new

business registrations and incorporations). InfoUSA prepared an extract from the ABI data for the L.A.NSC, comprising of data on businesses, agencies, and institutions with the following 3-digit SIC codes:

- 832: Individual and family social services
- 833: Job training and vocational rehabilitation
- 835: Child day care services
- 836: Residential care services
- 839: Social services, NEC
- 861: Business associations
- 862: Professional membership organizations
- 863: Labor unions/labor organizations
- 864: Civic/social/fraternal associations
- 865: Political organizations
- 866: Religious organizations
- 869: Membership organizations, NEC
- 921: Courts
- 922: Public order and safety.

The ABI neighborhood services data, which included records for individual businesses, were aggregated to the 1990 Census tract level to create summaries of businesses and institutions by number of employees and by sales volume.

Monthly housing sales data was obtained from the California Association of Realtors, and included the median and mean sales prices and the number of transactions for all homes, single-family homes, and condominium/townhomes by ZIP code for the years 1991 through 2001 and the first quarter of 2002.

The Labor Market Information Group at the State of California's Employment Development Department provided quarterly data on payroll and monthly data on employment for Los Angeles County for 1999, 2000, and the first three quarters of 2001 by ZIP code. Data are considered confidential if a single firm accounts for eighty percent or more of the total employment in a ZIP code. For more information see <http://www.labormarketinfo.edd.ca.gov/>. Note that the payroll and employment data include information on a select number of tracts in neighboring counties to Los Angeles County.

Estimates of housing sales and of payroll and employment for 1990 Census tracts were constructed from the ZIP code-level data using a crosswalk linking 1991 ZIP codes to 1990 Census tracts from the MABLE (Master Area Block Level Equivalency)/Geocorr Geographic Correspondence Engine V3.01. For information on the crosswalk, see <http://oseda.missouri.edu/plue/geocorr/>.

4. THE NSC_POP DATA FILE

The NSC_POP file contains a variety of population and housing measures from the 1980, 1990, and 2000 Censuses. The TRACT90 variable is used to link to the other L.A.NSC component files.

VARIABLES IN NSC_POP

Identifying Variables

TRACT90: A 12-character field that contains FIPS codes for state and county plus the census tract (SSCCCXXXX.XX). The FIPS county code for Los Angeles is 06037; Riverside is 06065; San Bernardino is 06071; Ventura is 06111; Orange is 06059; Kern is 06029; Inyo is 06027; San Diego is 06073; and Santa Barbara is 06083.

CTRACT: A 7-character field that contains the Los Angeles County census tract code in the format of XXXX.XX

Indicators for Data Availability

NO80_00: No 1980-to-2000 Census data for tract

Population and Housing Counts for 1980, 1990, and 2000

TOTPOP80, TOTPOP90, TOTPOP00: Total population in 1980, 1990, and 2000

TOTHH80, TOTHH90, TOTHH00: Total households in 1980, 1990, and 2000

UNITS80, UNITS90, UNITS00: Total housing units

OCCUP80, OCCUP90, OCCUP00: Occupied housing units

VACANT80, VACANT90, VACANT00: Vacant housing units in 1980, 1990, and 2000

RENTER80, RENTER90, RENTER00: Renter-occupied housing units in 1980, 1990, and 2000

OWNER80, OWNER90, OWNER00: Owner-occupied housing units in 1980, 1990, and 2000

NHWHIT80, NHWHIT90, NHWHIT00: Non-Hispanic white population in 1980, 1990, and 2000

LATINO80, LATINO90, LATINO00: Latino population in 1980, 1990, and 2000

BLACK80, BLACK90, BLACK00: Black population in 1980, 1990, and 2000
AIP80, AIP90, AIP00: Asian/Pacific Islander population in 1980, 1990,
and 2000
OTHER80, OTHER90, OTHER00: Other race and ethnicity population in
1980, 1990, and 2000
MALE80, MALE90, MALE00: Male population in 1980, 1990, and 2000
FEMALE80, FEMALE90, FEMALE00: Female population in 1980, 1990, and
2000
F0_480, F0_490, F0_400: Female population 0-4 years of age in 1980,
1990, and 2000
F5_1480, F5_1490, F5_1400: Female population 5-14 years of age in
1980, 1990, and 2000
F5_1780, F5_1790, F5_1700: Female population 5-17 years of age in
1980, 1990, and 2000
F18_6480, F18_6490, F18_6400: Female population 18-64 years of age in
1980, 1990, and 2000
F6580, F6590, F6500: Female population 65+ years of age in 1980,
1990, and 2000
F15_4480, F15_4490, F15_4400: Female population 15-44 years of age in
1980, 1990, and 2000
M0_480, M0_490, M0_400: Male population 0-4 years of age in 1980,
1990, and 2000
M5_1480, M5_1490, M5_1400: Male population 5-14 years of age in 1980,
1990, and 2000
M5_1780, M5_1790, M5_1700: Male population 5-17 years of age in 1980,
1990, and 2000
M18_6480, M18_6490, M18_6400: Male population 18-64 years of age in
1980, 1990, and 2000
M6580, M6590, M6500: Male population 65+ years of age in 1980, 1990,
and 2000
HHFH80: Female-headed households in 1980
HHFHC90, HHFHC00: Female-headed households with children in 1990 and
2000
HHFHNC90, HHFHNC00: Female-headed households without children in 1990
and 2000
HHMH80: Male-headed households in 1980

HHMHC90, HHMHC00: Male-headed households with children in 1990 and 2000

HHMHNC90, HHMHNC00: Male-headed households without children in 1990 and 2000

HHFM80: Married couple-headed households in 1980

HHFMC90, HHFMC00: Married couple-headed households with children in 1990 and 2000

HHFMNC90, HHFMNC00: Married couple-headed households without children in 1990 and 2000

HHNOF80, HHNOF90, HHNOF00: Non-family households in 1980, 1990, and 2000

DATA SOURCES

The population and housing counts for 1980, 1990, and 2000 are from the Decennial Censuses for those years. Data from the 1980 and 2000 Censuses were converted to 1990 Census tracts. A crosswalk to convert data from 1980 Census tracts to 1990 Census tracts was generated using MABLE (Master Area Block Level Equivalency)/Geocorr Geographic Correspondence Engine V3.01. For information on the crosswalk, see <http://oseda.missouri.edu/plue/geocorr/>. A crosswalk to convert data from 2000 Census tracts to 1990 Census tracts was generated using the Census Bureau's 1990–2000 tract relationship file that is available at http://www.census.gov/geo/www/relate/rel_tract.html.

5. THE NSC_POV DATA FILE

The NSC_POV file contains tract-level estimates for 1997 of participation in various public assistance programs, the number of individuals and households in poverty, and total population. The variable TRACT90 is used to link to other L.A.NSC component files.

VARIABLES IN NSC_POV

Identifying Variables

TRACT90: A 12-character field that contains FIPS codes for state and county plus the census tract (SSCCCXXXX.XX). The FIPS county code for Los Angeles is 06037; Riverside is 06065; San Bernardino is 06071; Ventura is 06111; Orange is 06059; Kern is 06029; Inyo is 06027; San Diego is 06073; and Santa Barbara is 06083.

CTRACT: A 7-character field that contains the LA County census tract in the format of XXXX.XX

STRATA: L.A.FANS poverty strata for each tract (1=very poor, 2=poor, 3=not poor)

NETHNIC: Number of race and ethnic groups in the tract

MED95HH, LNM95HH: Median household income in 1995 and its log

Welfare Recipients by Race/Ethnicity and by Program for 1997

A_FSOPER, B_FSOPER, H_FSOPER, W_FSOPER, O_FSOPER: Food Stamp recipients who are Asian (A), black (B), Hispanic (H), white (W), and other race/ethnicity (O)

A_GASTPR, B_GASTPR, H_GASTPR, W_GASTPR, O_GASTPR: General Assistance recipients who are Asian (A), black (B), Hispanic (H), white (W), and other race/ethnicity (O)

A_UNEMPR, B_UNEMPR, H_UNEMPR, W_UNEMPR, O_UNEMPR: Welfare recipients of AFDC/TANF qualified through unemployment who are Asian (A), black (B), Hispanic (H), white (W), and other race/ethnicity (O)

A_FGPERS, B_FGPERS, H_FGPERS, W_FGPERS, O_FGPERS: Welfare recipients of AFDC/TANF qualified through single parenthood who are Asian (A), black (B), Hispanic (H), white (W), and other race/ethnicity (O)

A_MEDOPR, B_MEDOPR, H_MEDOPR, W_MEDOPR, O_MEDOPR: Medi-Cal only recipients who are Asian (A), black (B), Hispanic (H), white (W), and other race/ethnicity (O)

A_INSPER, B_INSPER, H_INSPER, W_INSPER, O_INSPER: In-Home Services recipients who are Asian (A), black (B), Hispanic (H), white (W), and other race/ethnicity (O)

A_ALLPER, B_ALLPER, H_ALLPER, W_ALLPER, O_ALLPER: All types of aided persons who are Asian (A), black (B), Hispanic (H), white (W), and other race/ethnicity (O)

Household-Level Welfare Reciprocity by Race/Ethnicity and Program for 1997

A_FSOHH, B_FSOHH, H_FSOHH, W_FSOHH, O_FSOHH: Food Stamp households that are Asian (A), black (B), Hispanic (H), white (W), and other race/ethnicity (O)

A_GASTHH, B_GASTHH, H_GASTHH, W_GASTHH, O_GASTHH: General Assistance households that are Asian (A), black (B), Hispanic (H), white (W), and other race/ethnicity (O)

A_INSHH, B_INSHH, H_INSHH, W_INSHH, O_INSHH: In-Home Service households that are Asian (A), black (B), Hispanic (H), white (W), and other race/ethnicity (O)

A_MEDOHH, B_MEDOHH, H_MEDOHH, W_MEDOHH, O_MEDOHH: Medical-only households that are Asian (A), black (B), Hispanic (H), white (W), and other race/ethnicity (O)

A_UNEMHH, B_UNEMHH, H_UNEMHH, W_UNEMHH, O_UNEMHH: Welfare (AFDC/TANF) households qualified through unemployment that are Asian (A), black (B), Hispanic (H), white (W), and other race/ethnicity (O)

A_FGCASE, B_FGCASE, H_FGCASE, W_FGCASE, O_FGCASE: Welfare (AFDC/TANF) households that are qualified through single parenthood that are Asian (A), black (B), Hispanic (H), white (W), and other race/ethnicity (O)

Total Welfare Recipients by Program for 1997

FS_PERS: Total Food Stamp recipients

GA_PERS: Total General Assistance recipients

UADPRS: Total welfare (AFDC/TANF) recipients qualified through unemployment

FG_PERS: Total welfare (AFDC/TANF) recipients qualified through
single parenthood

WF_PERS: Total welfare (AFDC/TANF) recipients

Percent of Population Receiving Welfare by Program for 1997

FS_PCT: Percent of population receiving Food Stamps only

GA_PCT: Percent of population receiving General Assistance

WF_PCT: Percent of population receiving welfare (AFDC/TANF)

Population Estimates for 1997

W0_19_97: White children 0-19 years of age

B0_19_97: Black children 0-19 years of age

H0_19_97: Hispanic children 0-19 years of age

A0_19_97: Asian children 0-19 years of age

I0_19_97: American Indian children 0-19 years of age

T0_19_97: Total children 0-19 years of age

W_ALL_97: Whites, all ages

B_ALL_97: Blacks, all ages

H_ALL_97: Hispanics, all ages

A_ALL_97: Asians, all ages

I_ALL_97: American Indians, all ages

TOTPOP97: Total population

Poverty Estimates for 1997

W0_19P97: White children 0-19 years of age in poverty

B0_19P97: Black children 0-19 years of age in poverty

H0_19P97: Hispanic children 0-19 years of age in poverty

A0_19P97: Asian children 0-19 years of age in poverty

I0_19P97: American Indian children 0-19 years of age in poverty

T0_19P97: Total children 0-19 years of age in poverty

W_ALLP97: Whites all ages in poverty

B_ALLP97: Blacks all ages in poverty

H_ALLP97: Hispanics all ages in poverty

A_ALLP97: Asians all ages in poverty

I_ALLP97: American Indians, all ages

TOTPOV97: Total population in poverty

PCTPOV97: Percent in poverty
M_ALLP97: Males all ages in poverty
F_ALLP97: Females all ages in poverty
M0_19P97: Males 0-19 years of age in poverty
F0_19P97: Females 0-19 years of age in poverty

DATA SOURCES

The 1997 population and poverty estimates were produced by the Los Angeles County Urban Research Division under the direction of John Hedderson and Manuel Moreno. These estimates were produced by projections using 1990 census and other data as described below. **Users should exercise caution in using these variables because they are based on demographic projections using data which were available *prior to the 2000 Census*. Users who wish to use population estimates for 1995 or 1997 should consider producing their own estimates for these dates by interpolation between the 1990 and 2000 data for each Census tract.** We include the 1997 estimates in the L.A.NSC database primarily for users who seek to understand the L.A.FANS sampling scheme in greater depth.

The 1997 population estimates used the 1990 Census Modified Age-Race-Sex counts as a base and updated these figures for Los Angeles County using: (1) the Current Population Surveys for March 1996 and 1997; (2) births from 1995 and 1996; (3) deaths from 1990 to 1996; and (4) 1996 school enrollment data. The 1997 County estimates were allocated to Census tracts using the following tract-level data: (1) 1990 Census tract population; (2) births by tract from 1995 and 1996; 3) changes by tract since 1990 in registered voters and licensed drivers; and (4) 1996 school enrollment data for tracts.

The 1997 poverty estimates are based on 1990 Decennial Census tabulations of poverty rates at the tract level that were updated using information from the 1997 Current Population Survey and the 1997 population estimates described above.

The 1995 median household income estimate is based on tax return data from the California Franchise Tax Board. As noted above, users should consider creating their own estimates of median household income by tract for 1995 by using data from the 1990 and 2000 censuses.

The 1997 estimates of public assistance program participation were also produced by Urban Research Division of Los Angeles County. The estimates are based on data from the Los Angeles County Department of Public Social Services.

6. THE NSC_STF3 DATA FILE

The NSC_STF3 file contains measures drawn from the 2000 Census Summary File 3 (SF-3). The SF-3 includes detailed social, economic, and housing characteristics compiled from a sample of households that received the Census 2000 long-form questionnaire and weighted to represent the population. The TRACT90 variable is used to link data with other L.A.NSC files.

VARIABLES IN NSC_STF3

Identifying Variables

TRACT90: A 12-character field that contains FIPS codes for state and county plus the census tract (SSCCCXXXX.XX). The FIPS county code for Los Angeles is 06037; Riverside is 06065; San Bernardino is 06071; Ventura is 06111; Orange is 06059; Kern is 06029; Inyo is 06027; San Diego is 06073; and Santa Barbara is 06083.

CTRACT: A 7-character field that contains the Los Angeles County census tract code in the format of XXXX.XX

Demographic, Economic, and Housing Variables

totpop00: Total population in 2000
med99hh: Median household income in 1999
med99fam: Median family income in 1999
nonmove: Percent occupying same dwelling as in 1995
own_occ: Percent of occupied housing owner-occupied
owner00: Number of dwellings that are owner-occupied
vacant: Percent of dwellings that are vacant
occup00: Number of occupied housing units
dwellings: Number of housing units
mult_du: Percent of dwellings in multi-unit housing
ncitizen: Percent of population non-citizens
foreign: Percent of population foreign-born
fb_90: Percent of population post-1990 immigrants
fb_95: Percent of population post-1995 immigrants
pctspnsh: Percent of adults Spanish-speakers
pcwhite00: Percent non-Hispanic white
pcblack00: Percent non-Hispanic black

pclatino00: Percent Hispanic
pcapi00: Percent non-Hispanic Asian/Pacific Islander
pcother00: Percent non-Hispanic other race
nf_hh: Percent non-family households
hhnof00: Number of non-family households
pct_pov: Percent of population in poverty
pop_0_4: Population aged 0-4 years
pop_0_17: Population aged 0-17 years
popul18: Percent of population under 18 years of age
pubasst: Percent of households receiving public assistance
unemploy: Percent unemployed among civilian labor force
femunemp: Percent unemployed among female civilian labor force
maleunem: Percent unemployed among male civilian labor force
higheduc: Percent of adults aged 25+ years with 13+ years schooling
execprof: Percent of workers in executive/professional occupations
adltchld: Ratio of adults to children
pphh: Mean number of persons per occupied household
elderly: Percent of population aged 65+ years
lang_oth: Percent of adults non-English, non-Spanish speakers
pctengl: Percent of adults English-only speakers
eng_vw: Percent of adults who speak English very well
fi_lt15k: Percent of families with income less than \$15,000
fi_1524k: Percent of families with income \$15,000 to \$24,999
fi_gt75k: Percent of families with income \$75,000 and over
fi_5074k: Percent of families with income \$50,000 to \$74,999
fi_lt24k: Percent of families with income less than \$25,000
fem_h_hh: Percent of households headed by females with children
hhwk: Percent of households with children
lndarea: Area of 1990 tract in square miles
density00: Population density: people per square mile
pcnonwh: Percent of population non-white, non-Asian/Pacific Islander
concdis: Tract concentrated disadvantage factor score
concaff: Tract concentrated affluence factor score
concaff2: Tract alternative concentrated affluence factor score
highstat: Tract high-status residents factor score
english: Tract English language factor score

res_stab: Tract residential stability factor score
imm_conc: Tract immigrant concentration factor score
diversity: Tract racial/ethnic diversity score⁵

Variables for First- and Second-Order Contiguous Tracts

Shown below are variables for first-order contiguous tracts. The second-order variables, which cover the same list of items, end in _c2.

totpop00_c1: Total population in 2000
med99hh_c1: Median household income in 1999
med99fam_c1: Median family income in 1999
nonmove_c1: Percent occupying same dwelling as in 1995
own_occ_c1: Percent of occupied housing owner-occupied
owner00_c1: Number of dwellings that are owner-occupied
vacant_c1: Percent of dwellings that are vacant
occup00_c1: Number of occupied housing units
dwellings_c1: Number of housing units
mult_du_c1: Percent of dwellings in multi-unit housing
ncitizen_c1: Percent population non-citizens
foreign_c1: Percent of population foreign-born
fb_90_c1: Percent of population post-1990 immigrants
fb_95_c1: Percent of population post-1995 immigrants
pctspnsh_c1: Percent of adults Spanish speakers
pcwhite00_c1: Percent non-Hispanic white
pcblack00_c1: Percent non-Hispanic black
pclatino00_c1: Percent Hispanic
pcapi00_c1: Percent non-Hispanic Asian/Pacific Islander
pcother00_c1: Percent non-Hispanic other race
nf_hh_c1: Percent non-family households
hnhof00_c1: Number of non-family households
pct_pov_c1: Percent of population in poverty
pop_0_4_c1: Population aged 0-4 years
pop_0_17_c1: Population aged 0-17 years
popul18_c1: Percent of population under 18 years of age

⁵ The diversity measure is based on the formula:

$$\text{diversity} = 1 - (\text{pcwhite00}^2 + \text{pcblack00}^2 + \text{pclatino00}^2 + \text{pcapi00}^2 + \text{pcother00}^2).$$

pubasst_c1: Percent of households receiving public assistance
unemploy_c1: Percent unemployed among civilian labor force
femunemp_c1: Percent unemployed among female civilian labor force
maleunem_c1: Percent unemployed among male civilian labor force
higheduc_c1: Percent of adults aged 25+ years with 13+ yrs schooling
execprof_c1: Percent of workers in executive/professional occupations
adltchld_c1: Ratio of adults to children
pphh_c1: Mean number of persons per occupied household
elderly_c1: Percent of population aged 65+ years
lang_oth_c1: Percent of adults non-English, non-Spanish speakers
pctengl_c1: Percent of adults English-only speakers
eng_vw_c1: Percent of adults who speak English very well
fi_lt15k_c1: Percent of families with income less than \$15,000
fi_1524k_c1: Percent of families with income \$15,000 to \$24,999
fi_gt75k_c1: Percent of families with income \$75,000 and over
fi_5074k_c1: Percent of families with income \$50,000 to \$74,999
fi_lt24k_c1: Percent of families with income less than \$25,000
fem_h_hh_c1: Percent of households headed by females with children
hhwk_c1: Percent of households with children
density00_c1: Population density: people per square mile
pcnonwh_c1: Percent of population non-white, non-Asian/Pacific
 Islander
concdis_c1: Tract concentrated disadvantage factor score
concaff_c1: Tract concentrated affluence factor score
concaff2_c1: Tract alternative concentrated affluence factor score
highstat_c1: Tract high-status residents factor score
english_c1: Tract English language factor score
res_stab_c1: Tract residential stability factor score
imm_conc_c1: Tract immigrant concentration factor score
diversity_c1: Tract racial/ethnic diversity score (see Footnote 5)

The file also includes primary SF-3 variables, which were used to create the analytic measures listed above. These primary variables come from the following SF-3 tables. However, we have included only a subset of variables related to these tables in the NSC_STF3 file.

P001: Total population
 P007: Hispanic ethnicity by race
 P008: Sex by age
 P019: Age by language spoken at home by ability to speak English:
 age 5+ years
 P021: Place of birth by citizenship status
 P022: Year of entry for foreign-born population
 P024: State/county of residence in 1995 for population aged 5+ yrs
 P037: Sex by educational attainment for aged 25+ years
 P043: Sex by employment status for aged 16+ years
 P050: Sex by occupation for employed civilian pop aged 16+ years
 P053: Median household income in 1999
 P064: Public assistance income in 1999 for households
 P076: Family income in 1999
 P077: Median family income in 1999
 P087: Poverty status in 1999 by age
 H005: Urban and rural: housing units
 H007: Tenure: occupied housing units
 H008: Vacancy status: housing units
 H019: Tenure by household type: occupied housing units
 H030: Units in structure: housing units
 HCT001: Tenure by household type and presence and age of own
 children: occupied housing units

DATA SOURCES

The 2000 Census SF-3 data were obtained from the CensusCD produced by GeoLytics. The 2000 Census SF-3 data are tabulated by 2000 Census tracts, but were converted to 1990 Census tracts using the tract relationship file for California from the Census Bureau. Appendix A shows the code used to convert SF-3 variables to the specific NSC_STF3 variables listed above.

Contiguous tract measures were created using the SAS program described in the LA_CORE section above.

A set of factor scores were created using the factor procedure in Stata. The code used creating these factor scores is presented Appendix A. The factor score variables are:

concdis: Tract concentration disadvantage factor score
 concaff: Tract concentration affluence factor score

concaff2: Tract alternative concentration affluence factor score
highstat: Tract high-status residents factor score
english: Tract English language factor score
res_stab: Tract residential stability factor score
imm_conc: Tract immigrant concentration factor score

The contiguous tract measures were created using PROC SQL code in SAS. A program template for creating contiguous tract measures is presented in Appendix A.

APPENDIX A. FORMATS AND TECHNICAL DOCUMENTATION

This appendix presents variable formats and programming code used to construct the measures described in this codebook.

1. FIPS CODES FOR CALIFORNIA COUNTIES

001	Alameda, CA
003	Alpine, CA
005	Amador, CA
007	Butte, CA
009	Calaveras, CA
011	Colusa, CA
013	Contra Costa, CA
015	Del Norte, CA
017	El Dorado, CA
019	Fresno, CA
021	Glenn, CA
023	Humboldt, CA
025	Imperial, CA
027	Inyo, CA
029	Kern, CA
031	Kings, CA
033	Lake, CA
035	Lassen, CA
037	Los Angeles, CA
039	Madera, CA
041	Marin, CA
043	Mariposa, CA
045	Mendocino, CA
047	Merced, CA
049	Modoc, CA
051	Mono, CA
053	Monterey, CA
055	Napa, CA
057	Nevada, CA
059	Orange, CA
061	Placer, CA
063	Plumas, CA
065	Riverside, CA
067	Sacramento, CA
069	San Benito, CA
071	San Bernardino, CA
073	San Diego, CA
075	San Francisco, CA
077	San Joaquin, CA
079	San Luis Obispo, CA
081	San Mateo, CA
083	Santa Barbara, CA
085	Santa Clara, CA
087	Santa Cruz, CA
089	Shasta, CA
091	Sierra, CA
093	Siskiyou, CA
095	Solano, CA
097	Sonoma, CA
099	Stanislaus, CA
101	Sutter, CA

103 Tehama, CA
105 Trinity, CA
107 Tulare, CA
109 Tuolumne, CA
111 Ventura, CA
113 Yolo, CA
115 Yuba, CA

2. CREATION OF NSC_STF3 VARIABLES FROM ORIGINAL SF-3 VARIABLES

Variable names shown below are those from the Census 2000 SF-3 data.

```
totpop00 = p001001;
med99hh = p053001;
med99fam = p077001;
nonmove = p024002 / p024001;
own_occ = h007002 / h007001;
owner00 = H007002;
vacant = H008001 / H005001;
occup00 = h007001;
dwellings = H005001;
mult_du = (sum (of h030005 - h030009) / h030001;
ncitizen = p021015 / p021001;
foreign = (p021001 - p021002) / p021001;
fb_90 = (p022002 + p022003) / p021001;
fb_95 = p022002 / p021001;
pctspnsh = (p019026 + p019048) / (p019024 + p019046);
pcwhite00 = p007003 / totpop00; ** non-Hispanic, white alone;
pcblack00 = p007004 / totpop00;
pclatino00 = p007010 / totpop00;
pcapi00 = (p007006 + p007007) / totpop00;
pcother00 = (p007005 + p007008 + p007009) / totpop00;
nf_hh = (h019029 + h019091) / h007001;
hhnof00 = h019029 + h019091;
pct_pov = p087002 / p087001;
pop_0_4 = sum(of p008003-p008007) + sum(of p008042-p008046);
```

```

pop_0_17 = sum(of p008003-p008020) + sum(of p008042-p008059);

popul18 = pop_0_17 / totpop00;

pubasst = (p064002 / p064001) * 100;

unemploy = (p043007 + p043014) /
            (p043005 + p043006 + p043007 + p043012 + p043013 + p043014)
            * 100;

femunemp = p043014 / (p043012 + p043013 + p043014) * 100;

maleunem = p043007 / (p043005 + p043006 + p043007) * 100;

higheduc = (p037013 + p037014 + p037015 + p037016 + p037017 + p037018 +
            p037030 + p037031 + p037032 + p037033 + p037034 + p037035) /
            p037001 * 100;

m_exprof = P050003;

f_exprof = P050050

execprof = (m_exprof + f_exprof) / (p050002 + p050049) * 100;

adltchld = (sum(of P008021 - p008040) + sum(of p008060 - p008079) ) /
            pop_0_17;

pphh = totpop00 / occup00;

elderly = (sum(of p008035 - p008040) + sum(of p008074 - p008079)) /
            totpop00;

lang_oth = sum(of p019034, p019035, p019039, p019040, p019044,
                p019045, p019056, p019057, p019061, p019062, p019066,
                p019067);

lang_oth = lang_oth / (p019024 + p019046);

pctengl = (p019025 + p019047) / (p019024 + p019046);

eng_vw = (p019025 + p019027 + p019032 + p019037 + p019042 +
            p019047 + p019049 + p019054 + p019059 +
            p019064) / (p019024 + p019046);

fi_lt15k = (p076002 + p076003) / p076001;

fi_1524k = (p076004 + p076005) / p076001;

fi_gt75k = sum(of p076013 - p076017) / p076001 ;

fi_5074k = (p076011 + p076012) / p076001;

fi_lt24k = sum(of p076002 - p076005) / p076001 ;

```

```
fem_h_hh = (hct001018 + hct001044) / occup00;  
hhwk = sum(of hct001005, hct001031, hct001012, hct001038,  
           hct001018, hct001044) / occup00;  
lndarea = areasqm / 2589.98811; ** returns square miles;  
density00 = totpop00 / lndarea ;
```

3. FACTOR SCORES FOR NSC_STF3

The factor score variables in NSC_STF3 were created in Stata. All variables used in the factor analysis are in the NSC_STF3 data. Please see the Stata manual for details on the factor analysis procedure.

```
** concdis "Tract conc. disadvantage factor"

factor pct_pov fi_lt24k fem_h_hh pubasst pcnonwh popul18
score concdis

** concaff "tract conc. affluence factor"

factor execprof higheduc fi_gt75k pcwhite eng_vw pctengl
score concaff

** concaff2 "Tract alt. conc. affluence factor"

factor execprof higheduc fi_gt75k pcwhite
score concaff2

** highstat "Tract high-status residents factor"

factor higheduc execprof
score highstat

** english "Tract English language factor"

factor eng_vw pctengl
score english

** res_stab "Tract residential stability factor"

factor mult_du own_occ nonmove nf_hh
score res_stab

** imm_conc "Tract immigrant conc. factor"

factor ncitizen foreign fb_90 fb_95 pctspnsh pclatino00
score imm_conc
```

4. SAS PROGRAM TEMPLATE TO CREATE CONTIGUOUS TRACT MEASURES

```
*****  
***          CONTIG_MATCH_TEMPLATE.SAS  
*****
```

SAS PROGRAM TEMPLATE FOR COMPUTING MEASURES BASED ON CONTIGUOUS TRACTS USING THE LOS ANGELES NEIGHBORHOOD SERVICES AND CHARACTERISTICS DATABASE.

PROGRAM CALLS A MACRO NAMED CONTIG INTO WHICH USERS FEED THE FOLLOWING PARAMETERS:

outfile: Name of output file to be generated
nscfile: Name of the input file that has the L.A.NSC vars of interest
macron : Name of macro that contains code for variables to be created
order : Indicates if measures are to be computed for 1st order contiguous (ORDER=1) and 2nd order (ORDER=2)

THE CONTIG MACRO USES PROC SQL TO DO THE MATCHING OF TRACTS AND TO CREATE THE DESIRED MEASURES FOR CONTIGUOUS TRACT GROUPINGS.

THE TRACT VARIABLE IS CALLED TRACT90, WHICH IS THE 1990 CENSUS TRACT IN THE 12-CHARACTER FORMAT: 06CCCxxxx.xx, where CCC is FIPS county and xxxx.xx is the census tract in the given county.

THE CONTIGUOUS TRACT NUMBERS ARE IN THIS FORMAT AS WELL. SINCE THE L.A.NSC DATA FILES CONTAIN TRACTS FROM OUTSIDE LA COUNTY, THE 12-CHARACTER FORMAT MUST BE USED WHEN LINKING FILES.

THE PROGRAM TEMPLATE SHOWS EXAMPLES OF PREPARING THE INPUT FILE, DEFINING VARIABLES TO BE CREATED UNDER PROC SQL, AND COMBINING OUTPUT FILES IF BOTH FIRST- AND SECOND-ORDER CONTIGUITIES ARE USED.

THE ORDER OF THE TEMPLATE PROGRAM IS AS FOLLOWS:

MACRO CONTIG IS DEFINED (Users make no changes to this code)
INPUT FILES ARE CREATED
MACRO THAT CONTAINS CODE TO CREATE DESIRED VARIABLES IN SQL
CALL TO MACRO CONTIG
COMBINING OF OUTPUT FILES AND SAVING TO PERMANENT LOCATION

THE MAIN INPUT FILES ARE THE FOLLOWING:

LA_CORE: Contains one record per LA County 1990 census tract. File contains the contiguous tracts for each LA County census tract. The first-order contiguous tract variables are cont_a1-cont_a11. The second-order contiguous tracts are cont_b1-cont_b35. The variable cont_a is the number of first-order contiguous tracts for a given tract. Cont_b is the number of second-order tracts. Most tracts have far fewer contiguous tracts than the maximum.

YOU MUST USE THE FILENAME LA_CORE AS IT IS HARDCODED INTO THE MACRO. YOU MUST USE THE LA_CORE FILE FOR THE MACRO TO WORK.

NSC_ COMPONENT FILES: Contain one record per LA County 1990 census tract

USERS MAY PULL OUT SECTIONS OF THE TEMPLATE TO CREATE THEIR OWN PROGRAM. THE TEMPLATE IS JUST A GUIDE TO THE NATURE AND ORDER OF STEPS TO BE DONE. FOR EXAMPLE, THE MACRO COULD BE MOVED TO A MACRO LIBRARY OR SAVED AS SEPARATE TEXT FILE AND BROUGHT IN WITH A %INCLUDE STATEMENT. THE COMMENTS CAN BE REMOVED IF NOT NEEDED.

NOTE THERE MAY BE SOME MEASURES THAT CANNOT BE FULLY CREATED IN THE SQL SECTION OF THE MACRO. USERS MANY HAVE TO CREATE COMPONENTS VIA THE SQL CODE AND THEN CREATE THE FINAL MEASURE IN A SUBSEQUENT DATA STEP AFTER THE MACRO HAS BEEN EXECUTED.

```
*****
*****
***  OPTIONS STATEMENT USEFUL FOR DEBUGGING IF PROBLEMS ARISE IN MACRO
***  EXECUTION.  IF HAVING PROBLEMS, UNCOMMENT, OTHERWISE LEAVE ALONE
***  UNLESS YOU WANT TO SEE THE ACTUAL CODE THE MACRO IS GENERATING.
*****;
```

```
**  options macrogen symbolgen;
```

```
*****
***  LIBNAMES WITH LOCATION OF NSC FILES AND OUTPUT FILES
*****;
```

```
libname nscfin 'LOCATION OF NSC FILES';
libname out 'WHEREEVER YOU WANT TO PUT YOUR OUTPUT FILE';
```

```
*****
***  CONTIG MACRO DEFINED
***
***  MACRO ASSUMES ALL DATA ARE IN THE SAS WORK DIRECTORY.  THUS THE NSC
***  INPUT FILE IS DEFINED BEFORE THE MACRO IS CALLED.  THE OUTPUT
***  FILE(S) MUST BE SAVED TO A PERMANENT LOCATION AFTER THE MACRO HAS
***  FINISHED.
***
***  USERS DO NOT HAVE TO CHANGE ANYTHING IN THE MACRO.  LEAVE IT AS IS.
***
*****;
```

```
%MACRO CONTIG(outfile,nscfile,macron,order=1) ;
```

```
  %* Set parameters that are order unique;
  %*****;
```

```
  %IF &ORDER=1 %THEN %DO;
    %LET CONT=cont_a;
    %LET MAX=maxa;
  %END;
  %ELSE %IF &ORDER=2 %THEN %DO;
    %LET CONT=cont_b;
    %LET MAX=maxb;
  %END;
```

```
data x; set la_core(obs=1);
      call symput ('nt',&max);
run;
```

```

%* Invoke Proc SQL to do the matching;
%*
%* SQL syntax is in CAPS
%*****;

PROC SQL NOPRINT;

    CREATE TABLE

        &outfile AS

    SELECT

        core.tract90 as tract90,

        %&macron

    FROM

        &nscfile nsc,
        la_core core

    WHERE

        nsc.tract90=core.&cont.1

        %DO I = 2 %TO &NT;

        or nsc.tract90=core.&cont.&i

        %END;

GROUP BY

    core.tract90

    ;

QUIT;

%* End of SQL section;
%*****;

%* Simple check on file created;
%*****;

proc print data=&outfile (obs=10);
title "&OUTFILE: check on &ORDER order contig, la_core/nsc match";
run;

proc contents data=&outfile;
title "&OUTFILE: check on &ORDER order contig, la_core/nsc match";
run;

%MEND CONTIG;

*****
*** INPUT FILES CREATED
***
*** If any new variables need to be created, do it here
*****;

***** LA core file with contig tracts;

```



```

*****;

data la_core; set nscfin.la_core ;   *** MUST HAVE THE LA_CORE FILE NAME;

run;

***** Combine NSC component files if using variables from more than
***** one. The example here combines NSC_POP, NSC_BUS, and NSC_POV
*****
***** One can do a single file if only variables from it are needed.
*****
***** This could also be 1990 tract-level file from some other source.
*****;

data nsc_all; merge nscfin.nsc_pop nscfin.nsc_bus nscfin.nsc_pov;
                by tract90;

run;

*****
***  MACRO THAT CONTAINS CODE TO CREATE DESIRED VARIABLES IN SQL
*****;

*** Below is an example of various measures to create
*** code is pertinent to Proc SQL.  Please review SQL manual for
*** description of how to define variables to be created in SQL
***
*** Note there must be a comma after each variable creation line
*** except for the last one.  The comma tells SQL you are done
*** specifying a given variable and are moving on to the next.
***
*** You must keep the nsc. in front of the input variable names
*** this tells SQL which file to pull the variable from.  The
*** nsc label refers to the nscfile listed in the macro parameters.
*** If a variable appears in both the la_core and nsc file, the nsc.
*** ensures that the correct one is used.  If a variable is only
*** in the nsc file, one could drop the nsc label.  However, it is
*** probably good SQL practice to use the file label.
***
*** The &order is a suffix added to the end of the variable name
*** to distinguish those created for 1st order contiguous from those
*** created for 2nd order
***
*** The format is optional.  It's just there for example purposes.
*** The label is optional too, but it is useful to have here so one
*** knows what measure the code is trying to create.
***
*** If one wants to do NSC_POP variables in a separate run from
*** NSC_BUS variables, for example, one can create two separate macros,
*** one for popvars and one for busvars
***
*****;

%MACRO MAKEVARS;

    (100* (sum(nsc.black90)/sum(nsc.totpop90)))
        label="Pct Black/non-hisp: order &order"
        format=7.3  AS pblk90&order,

    (100* (sum(nsc.latino90)/sum(nsc.totpop90)))
        label="Pct Latino: order &order"
        format=7.3  AS phisp90&order,

mean(nsc.m10_1999)    label="Avg Median home price: 1999 order &order"

```

```

format=11.2 AS mdhp99&order ,

sum(nsc.sic00835)
    label="Total # child day care services, order &order"
    AS chldcar&order,

mean(nsc.pctpov97)    label="Avg Pct Poverty: 1997 order &order"
    AS pctpov&order

%MEND MAKEVARS;

*****
*** %INCLUDE STATEMENT TO BRING IN FILE WITH A LARGE MAKEVARS MACRO
*** CAN GO HERE
*****;

%INCLUDE "Pathname for text file with makevars macro" ;

*****
*** CALL TO MACRO CONTIG
*****;

*** Below is an example of the two calls--one for 1st order and
*** one for 2nd order. If one only wants to do just 1st order,
*** then comment out the other macro call.
***
*** Users provide the output file name (stat1 in the 1st call),
*** the input file name (nsc_all), the macro with variables to be
*** created (makevars), and the order number (order=1 for 1st order,
*** order=2 for 2nd).
***
*****;

%contig(stat1,nsc_all,makevars,order=1);

%contig(stat2,nsc_all,makevars,order=2);

*****
*** COMBINING OF OUTPUT FILES AND SAVING THEM TO PERMANENT LOCATION
*****;

data out.contigv; merge stat1 stat2 ; by tract90;

run;

proc contents position;
title `CONTIGV: contiguous tract measures `;
run;

proc print data=contigv(obs=10);
title `CONTIGV: contiguous tract measures `;
run;

```

APPENDIX B. CONTENTS OF L.A.NSC DATABASE COMPONENT FILES

This appendix contains the complete contents of the L.A.NSC component files. The component files are:

- LA_CORE: Core data file with one record per 1990 Census tract in Los Angeles County. The file contains 1980 and 2000 Census tract crosswalks; 1991 ZIP code crosswalks; lists of first-order and second-order contiguous tracts; 1990 population counts; Service Planning Area (SPA) code;⁶ and size of tract. The variable TRACT90 is used for linking data files. There are 1,652 tract records.
- NSC_BUS: File of business and economic data for 1990 Census tracts. File contains 1999-2001 quarterly employment and payroll estimates; 1999 and 2000 counts of neighborhood social services by type; 1999 and 2000 counts of businesses by number of employees and sales volume; and 1991-2001 mean and median housing prices and units sold. The variable TRACT90 is used for linking data files. There are 3,198 tract records because the file includes housing and payroll data for neighboring counties.
- NSC_POP: File of demographic data for 1990 Census tracts. File contains 1980, 1990, and 2000 population counts by race, sex, and age; counts of housing units; and median household income in 1999. The variable TRACT90 is used for linking data files. There are 1,653 tract records.
- NSC_POV: File of poverty and welfare-related data for 1990 Census tracts. File contains 1997 estimates of total population and population in poverty by race and age; household median income in 1995; and counts of welfare recipients by program and by race for 1995. The variable TRACT90 is used for linking among data files. There are 1,639 tract records.
- NSC_STF3: File of 2000 Census variables for 1990 Census tracts. File contains summary measures created from SF-3 variables plus similar measures for first-order and second-order tracts for all Los Angeles County. It has some primary SF-3 variables that were used to create the given analytic measures. The variable TRACT90 is used for linking among data files. There are 1,652 tract records.

⁶ Los Angeles County is divided into eight Service Planning Areas for purposes of planning, service coordination, and information and data sharing among county agencies and non-profits. See <http://lapublichealth.org/spa/spawhat.htm> for more information.

LA CORE: 1652 records, 147 variables

#	Variable	Type	Len	Pos	Label
1	TRACT90	Char	12	408	1990 Census tract: 06CCCxxxx.xx format
2	CTRACT	Char	7	420	1990 Census tract: xxxx.xx format
3	INDUST99	Num	3	1516	Industry tract with .99 suffix
4	SPA	Char	1	427	Service Planning Area (1990)
5	SPA_NAME	Char	20	428	Service Planning Area name (1990)
6	AREA90KM	Num	8	0	Census tract area in kilometers, 1990
7	AREA90SM	Num	8	8	Census tract area in square miles, 1990
8	NTRACT00	Num	8	16	# of Census 2000 tracts 1990 split into
9	TR00_1	Char	12	448	1st Census 2000 tract: 12 char format
10	TR00_2	Char	12	460	2nd Census 2000 tract: 12 char format
11	TR00_3	Char	12	472	3rd Census 2000 tract: 12 char format
12	TR00_4	Char	12	484	4th Census 2000 tract: 12 char format
13	TR00_5	Char	12	496	5th Census 2000 tract: 12 char format
14	TR00_6	Char	12	508	6th Census 2000 tract: 12 char format
15	TR00_7	Char	12	520	7th Census 2000 tract: 12 char format
16	TR00_8	Char	12	532	8th Census 2000 tract: 12 char format
17	TR00_9	Char	12	544	9th Census 2000 tract: 12 char format
18	TR00_10	Char	12	556	10th Census 2000 tract: 12 char format
19	PRP00_1	Num	8	24	Proportion 2000 census pop: 1st tract
20	PRP00_2	Num	8	32	Proportion 2000 census pop: 2nd tract
21	PRP00_3	Num	8	40	Proportion 2000 census pop: 3rd tract
22	PRP00_4	Num	8	48	Proportion 2000 census pop: 4th tract

23	PRP00_5	Num	8	56	Proportion 2000 census pop: 5th tract
24	PRP00_6	Num	8	64	Proportion 2000 census pop: 6th tract
25	PRP00_7	Num	8	72	Proportion 2000 census pop: 7th tract
26	PRP00_8	Num	8	80	Proportion 2000 census pop: 8th tract
27	PRP00_9	Num	8	88	Proportion 2000 census pop: 9th tract
28	PRP00_10	Num	8	96	Proportion 2000 census pop: 10th tract
29	PRP90_1	Num	8	104	Proportion 1990 census pop: 1st tract
30	PRP90_2	Num	8	112	Proportion 1990 census pop: 2nd tract
31	PRP90_3	Num	8	120	Proportion 1990 census pop: 3rd tract
32	PRP90_4	Num	8	128	Proportion 1990 census pop: 4th tract
33	PRP90_5	Num	8	136	Proportion 1990 census pop: 5th tract
34	PRP90_6	Num	8	144	Proportion 1990 census pop: 6th tract
35	PRP90_7	Num	8	152	Proportion 1990 census pop: 7th tract
36	PRP90_8	Num	8	160	Proportion 1990 census pop: 8th tract
37	PRP90_9	Num	8	168	Proportion 1990 census pop: 9th tract
38	PRP90_10	Num	8	176	Proportion 1990 census pop: 10th tract
39	NTRACT80	Num	8	184	# of Census 1980 tracts 1990 came from
40	TR80_1	Char	12	568	1st Census 1980 tract: 12 char format
41	TR80_2	Char	12	580	2nd Census 1980 tract: 12 char format
42	TR80_3	Char	12	592	3rd Census 1980 tract: 12 char format
43	TR80_4	Char	12	604	4th Census 1980 tract: 12 char format
44	TR80_5	Char	12	616	5th Census 1980 tract: 12 char format
45	PRP80_1	Num	8	192	Proportion 1980 census pop: 1st tract
46	PRP80_2	Num	8	200	Proportion 1980 census pop: 2nd tract
47	PRP80_3	Num	8	208	Proportion 1980 census pop: 3rd tract
48	PRP80_4	Num	8	216	Proportion 1980 census pop: 4th tract

49	PRP80_5	Num	8	224	Proportion 1980 census pop: 5th tract
50	NZIP91	Num	8	232	# of 1991 ZIPs in 1990 tract
51	ZIP91_1	Num	8	240	1st 1991 ZIP code
52	ZIP91_2	Num	8	248	2nd 1991 ZIP code
53	ZIP91_3	Num	8	256	3rd 1991 ZIP code
54	ZIP91_4	Num	8	264	4th 1991 ZIP code
55	ZIP91_5	Num	8	272	5th 1991 ZIP code
56	ALLOC_1	Num	8	280	Proportion of tract in 1st ZIP code
57	ALLOC_2	Num	8	288	Proportion of tract in 2nd ZIP code
58	ALLOC_3	Num	8	296	Proportion of tract in 3rd ZIP code
59	ALLOC_4	Num	8	304	Proportion of tract in 4th ZIP code
60	ALLOC_5	Num	8	312	Proportion of tract in 5th ZIP code
61	CONT_A	Num	3	1519	NUMBER OF FIRST ORDER CONTIGUITY CENSUS
62	CONT_B	Num	3	1522	NUMBER OF SECOND ORDER CONTIGUITY CENSUS
63	CONT_A1	Char	12	628	FIRST ORDER CONTIGUITY: 12-char tract
64	CONT_A2	Char	12	640	FIRST ORDER CONTIGUITY: 12-char tract
65	CONT_A3	Char	12	652	FIRST ORDER CONTIGUITY: 12-char tract
66	CONT_A4	Char	12	664	FIRST ORDER CONTIGUITY: 12-char tract
67	CONT_A5	Char	12	676	FIRST ORDER CONTIGUITY: 12-char tract
68	CONT_A6	Char	12	688	FIRST ORDER CONTIGUITY: 12-char tract
69	CONT_A7	Char	12	700	FIRST ORDER CONTIGUITY: 12-char tract
70	CONT_A8	Char	12	712	FIRST ORDER CONTIGUITY: 12-char tract
71	CONT_A9	Char	12	724	FIRST ORDER CONTIGUITY: 12-char tract
72	CONT_A10	Char	12	736	FIRST ORDER CONTIGUITY: 12-char tract
73	CONT_A11	Char	12	748	FIRST ORDER CONTIGUITY: 12-char tract
74	CONT_B1	Char	12	760	SECOND ORDER CONTIGUITY: 12-char tract

75	CONT_B2	Char	12	772	SECOND ORDER CONTIGUITY: 12-char tract
76	CONT_B3	Char	12	784	SECOND ORDER CONTIGUITY: 12-char tract
77	CONT_B4	Char	12	796	SECOND ORDER CONTIGUITY: 12-char tract
78	CONT_B5	Char	12	808	SECOND ORDER CONTIGUITY: 12-char tract
79	CONT_B6	Char	12	820	SECOND ORDER CONTIGUITY: 12-char tract
80	CONT_B7	Char	12	832	SECOND ORDER CONTIGUITY: 12-char tract
81	CONT_B8	Char	12	844	SECOND ORDER CONTIGUITY: 12-char tract
82	CONT_B9	Char	12	856	SECOND ORDER CONTIGUITY: 12-char tract
83	CONT_B10	Char	12	868	SECOND ORDER CONTIGUITY: 12-char tract
84	CONT_B11	Char	12	880	SECOND ORDER CONTIGUITY: 12-char tract
85	CONT_B12	Char	12	892	SECOND ORDER CONTIGUITY: 12-char tract
86	CONT_B13	Char	12	904	SECOND ORDER CONTIGUITY: 12-char tract
87	CONT_B14	Char	12	916	SECOND ORDER CONTIGUITY: 12-char tract
88	CONT_B15	Char	12	928	SECOND ORDER CONTIGUITY: 12-char tract
89	CONT_B16	Char	12	940	SECOND ORDER CONTIGUITY: 12-char tract
90	CONT_B17	Char	12	952	SECOND ORDER CONTIGUITY: 12-char tract
91	CONT_B18	Char	12	964	SECOND ORDER CONTIGUITY: 12-char tract
92	CONT_B19	Char	12	976	SECOND ORDER CONTIGUITY: 12-char tract
93	CONT_B20	Char	12	988	SECOND ORDER CONTIGUITY: 12-char tract
94	CONT_B21	Char	12	1000	SECOND ORDER CONTIGUITY: 12-char tract
95	CONT_B22	Char	12	1012	SECOND ORDER CONTIGUITY: 12-char tract
96	CONT_B23	Char	12	1024	SECOND ORDER CONTIGUITY: 12-char tract
97	CONT_B24	Char	12	1036	SECOND ORDER CONTIGUITY: 12-char tract
98	CONT_B25	Char	12	1048	SECOND ORDER CONTIGUITY: 12-char tract
99	CONT_B26	Char	12	1060	SECOND ORDER CONTIGUITY: 12-char tract
100	CONT_B27	Char	12	1072	SECOND ORDER CONTIGUITY: 12-char tract

101	CONT_B28	Char	12	1084	SECOND ORDER CONTIGUITY: 12-char tract
102	CONT_B29	Char	12	1096	SECOND ORDER CONTIGUITY: 12-char tract
103	CONT_B30	Char	12	1108	SECOND ORDER CONTIGUITY: 12-char tract
104	CONT_B31	Char	12	1120	SECOND ORDER CONTIGUITY: 12-char tract
105	CONT_B32	Char	12	1132	SECOND ORDER CONTIGUITY: 12-char tract
106	CONT_B33	Char	12	1144	SECOND ORDER CONTIGUITY: 12-char tract
107	CONT_B34	Char	12	1156	SECOND ORDER CONTIGUITY: 12-char tract
108	CONT_B35	Char	12	1168	SECOND ORDER CONTIGUITY: 12-char tract
109	CONT_A12	Char	12	1180	FIRST ORDER CONTIGUITY: 12-char tract
110	CONT_A13	Char	12	1192	FIRST ORDER CONTIGUITY: 12-char tract
111	CONT_A14	Char	12	1204	FIRST ORDER CONTIGUITY: 12-char tract
112	CONT_A15	Char	12	1216	FIRST ORDER CONTIGUITY: 12-char tract
113	CONT_A16	Char	12	1228	FIRST ORDER CONTIGUITY: 12-char tract
114	CONT_A17	Char	12	1240	FIRST ORDER CONTIGUITY: 12-char tract
115	CONT_A18	Char	12	1252	FIRST ORDER CONTIGUITY: 12-char tract
116	CONT_A19	Char	12	1264	FIRST ORDER CONTIGUITY: 12-char tract
117	CONT_A20	Char	12	1276	FIRST ORDER CONTIGUITY: 12-char tract
118	CONT_A21	Char	12	1288	FIRST ORDER CONTIGUITY: 12-char tract
119	CONT_A22	Char	12	1300	FIRST ORDER CONTIGUITY: 12-char tract
120	CONT_B36	Char	12	1312	SECOND ORDER CONTIGUITY: 12-char tract
121	CONT_B37	Char	12	1324	SECOND ORDER CONTIGUITY: 12-char tract
122	CONT_B38	Char	12	1336	SECOND ORDER CONTIGUITY: 12-char tract
123	CONT_B39	Char	12	1348	SECOND ORDER CONTIGUITY: 12-char tract
124	CONT_B40	Char	12	1360	SECOND ORDER CONTIGUITY: 12-char tract
125	CONT_B41	Char	12	1372	SECOND ORDER CONTIGUITY: 12-char tract
126	CONT_B42	Char	12	1384	SECOND ORDER CONTIGUITY: 12-char tract

127	CONT_B43	Char	12	1396	SECOND ORDER CONTIGUITY: 12-char tract
128	CONT_B44	Char	12	1408	SECOND ORDER CONTIGUITY: 12-char tract
129	CONT_B45	Char	12	1420	SECOND ORDER CONTIGUITY: 12-char tract
130	CONT_B46	Char	12	1432	SECOND ORDER CONTIGUITY: 12-char tract
131	CONT_B47	Char	12	1444	SECOND ORDER CONTIGUITY: 12-char tract
132	CONT_B48	Char	12	1456	SECOND ORDER CONTIGUITY: 12-char tract
133	CONT_B49	Char	12	1468	SECOND ORDER CONTIGUITY: 12-char tract
134	CONT_B50	Char	12	1480	SECOND ORDER CONTIGUITY: 12-char tract
135	CONT_B51	Char	12	1492	SECOND ORDER CONTIGUITY: 12-char tract
136	CONT_B52	Char	12	1504	SECOND ORDER CONTIGUITY: 12-char tract
137	TOTPOP90	Num	8	320	TOTAL POPULATION (1990)
138	TOTHH90	Num	8	328	TOTAL HOUSEHOLDS (1990)
139	NHWHIT90	Num	8	336	NON-HISPANIC WHITE (1990)
140	BLACK90	Num	8	344	BLACK (1990)
141	LATINO90	Num	8	352	LATINO (1990)
142	OTHER90	Num	8	360	RACE/ETHNIC OTHER (1990)
143	API90	Num	8	368	ASIAN/PACIFIC ISLANDER (1990)
144	STRATA	Num	8	376	Poverty Category
145	NOSTRATA	Num	8	384	No poverty category available
146	MAXA	Num	8	392	Max number of 1st order contig tracts
147	MAXB	Num	8	400	Max number of 2nd order contig tracts

NSC_BUS: 3,198 records, 235 variables

#	Variable	Type	Len	Pos	Label
1	TRACT90	Char	12	1816	1990 Census tract: 06CCCxxxx.xx format
2	CTRACT	Char	7	1828	1990 Census tract: xxxx.xx format
3	COUNTY	Num	3	1835	FIPS county code for Tract
4	LAC	Num	3	1838	TRACT IN LA COUNTY
5	IN_ABI	Num	3	1841	Has neighborhood services data
6	IN_HSP	Num	3	1844	Has housing price data
7	IN_PAY	Num	3	1847	Has payroll/employment data
8	NOT_LAC	Num	3	1850	TRACT NOT IN LA COUNTY
9	SIC99832	Num	8	0	ABI 1999: Individ & family social services
10	SIC99833	Num	8	8	ABI 1999: Job Train/Vocational Rehab
11	SIC99835	Num	8	16	ABI 1999: Child Day Care services
12	SIC99836	Num	8	24	ABI 1999: Residential care services
13	SIC99839	Num	8	32	ABI 1999: Social Services, NEC
14	SIC99861	Num	8	40	ABI 1999: Business associations
15	SIC99862	Num	8	48	ABI 1999: Professional Membership Org
16	SIC99863	Num	8	56	ABI 1999: Labor unions/labor org
17	SIC99864	Num	8	64	ABI 1999: Civic/social/fraternal assoc
18	SIC99865	Num	8	72	ABI 1999: Political organizations
19	SIC99866	Num	8	80	ABI 1999: Religious organizations
20	SIC99869	Num	8	88	ABI 1999: Membership organizations, NEC
21	SIC99921	Num	8	96	ABI 1999: Courts
22	SIC99922	Num	8	104	ABI 1999: Public Order and Safety

23	ESC99_A	Num	8	112	ABI 1999: EMPLOYEE SIZE 1-4
24	ESC99_B	Num	8	120	ABI 1999: EMPLOYEE SIZE 5-9
25	ESC99_C	Num	8	128	ABI 1999: EMPLOYEE SIZE 10-19
26	ESC99_D	Num	8	136	ABI 1999: EMPLOYEE SIZE 20-49
27	ESC99_E	Num	8	144	ABI 1999: EMPLOYEE SIZE 50-99
28	ESC99_F	Num	8	152	ABI 1999: EMPLOYEE SIZE 199-249
29	ESC99_G	Num	8	160	ABI 1999: EMPLOYEE SIZE 250-499
30	ESC99_H	Num	8	168	ABI 1999: EMPLOYEE SIZE 599-999
31	ESC99_I	Num	8	176	ABI 1999: EMPLOYEE SIZE 1,990-4,999
32	ESC99_J	Num	8	184	ABI 1999: EMPLOYEE SIZE 5,990-9,999
33	ESC99_K	Num	8	192	ABI 1999: EMPLOYEE SIZE 10,990 and up
34	SVC99_A	Num	8	200	ABI 1999: SALES VOLUME < \$500K
35	SVC99_B	Num	8	208	ABI 1999: SALES VOLUME \$500K <= \$1M
36	SVC99_C	Num	8	216	ABI 1999: SALES VOLUME \$1M <= \$2.5M
37	SVC99_D	Num	8	224	ABI 1999: SALES VOLUME \$2.5M <= \$5M
38	SVC99_E	Num	8	232	ABI 1999: SALES VOLUME \$5M <= \$10M
39	SVC99_F	Num	8	240	ABI 1999: SALES VOLUME \$10M <= \$20M
40	SVC99_G	Num	8	248	ABI 1999: SALES VOLUME \$20M <= \$50M
41	SVC99_H	Num	8	256	ABI 1999: SALES VOLUME \$50M <= \$100M
42	SVC99_I	Num	8	264	ABI 1999: SALES VOLUME \$100M <= \$500M
43	SVC99_J	Num	8	272	ABI 1999: SALES VOLUME \$500M <=\$1BILLION
44	SVC99_K	Num	8	280	ABI 1999: SALES VOLUME OVER \$1 BILLION
45	OSC99_A	Num	8	288	ABI 1999: OFFICE SIZE 1 Professional
46	OSC99_B	Num	8	296	ABI 1999: OFFICE SIZE 2 Professionals
47	OSC99_C	Num	8	304	ABI 1999: OFFICE SIZE 3 Professionals
48	OSC99_D	Num	8	312	ABI 1999: OFFICE SIZE 4 Professionals

49	OSC99_E	Num	8	320	ABI 1999: OFFICE SIZE 5-9 Professionals
50	OSC99_F	Num	8	328	ABI 1999: OFFICE SIZE 10+ Professionals
51	SIC00832	Num	8	336	ABI 2000: Individ & family social services
52	SIC00833	Num	8	344	ABI 2000: Job Train/Vocational Rehab
53	SIC00835	Num	8	352	ABI 2000: Child Day Care services
54	SIC00836	Num	8	360	ABI 2000: Residential care services
55	SIC00839	Num	8	368	ABI 2000: Social Services, NEC
56	SIC00861	Num	8	376	ABI 2000: Business associations
57	SIC00862	Num	8	384	ABI 2000: Professional Membership Org
58	SIC00863	Num	8	392	ABI 2000: Labor unions/labor org
59	SIC00864	Num	8	400	ABI 2000: Civic/social/fraternal assoc
60	SIC00865	Num	8	408	ABI 2000: Political organizations
61	SIC00866	Num	8	416	ABI 2000: Religious organizations
62	SIC00869	Num	8	424	ABI 2000: Membership organizations, NEC
63	SIC00921	Num	8	432	ABI 2000: Courts
64	SIC00922	Num	8	440	ABI 2000: Public Order and Safety
65	ESC00_A	Num	8	448	ABI 2000: EMPLOYEE SIZE 1-4
66	ESC00_B	Num	8	456	ABI 2000: EMPLOYEE SIZE 5-9
67	ESC00_C	Num	8	464	ABI 2000: EMPLOYEE SIZE 10-19
68	ESC00_D	Num	8	472	ABI 2000: EMPLOYEE SIZE 20-49
69	ESC00_E	Num	8	480	ABI 2000: EMPLOYEE SIZE 50-99
70	ESC00_F	Num	8	488	ABI 2000: EMPLOYEE SIZE 100-249
71	ESC00_G	Num	8	496	ABI 2000: EMPLOYEE SIZE 250-499
72	ESC00_H	Num	8	504	ABI 2000: EMPLOYEE SIZE 500-999
73	ESC00_I	Num	8	512	ABI 2000: EMPLOYEE SIZE 1,000-4,999
74	ESC00_J	Num	8	520	ABI 2000: EMPLOYEE SIZE 5,000-9,999

75	ESC00_K	Num	8	528	ABI 2000: EMPLOYEE SIZE 10,000 and up
76	SVC00_A	Num	8	536	ABI 2000: SALES VOLUME < \$500K
77	SVC00_B	Num	8	544	ABI 2000: SALES VOLUME \$500K <= \$1M
78	SVC00_C	Num	8	552	ABI 2000: SALES VOLUME \$1M <= \$2.5M
79	SVC00_D	Num	8	560	ABI 2000: SALES VOLUME \$2.5M <= \$5M
80	SVC00_E	Num	8	568	ABI 2000: SALES VOLUME \$5M <= \$10M
81	SVC00_F	Num	8	576	ABI 2000: SALES VOLUME \$10M <= \$20M
82	SVC00_G	Num	8	584	ABI 2000: SALES VOLUME \$20M <= \$50M
83	SVC00_H	Num	8	592	ABI 2000: SALES VOLUME \$50M <= \$100M
84	SVC00_I	Num	8	600	ABI 2000: SALES VOLUME \$100M <= \$500M
85	SVC00_J	Num	8	608	ABI 2000: SALES VOLUME \$500M <=\$1BILLION
86	SVC00_K	Num	8	616	ABI 2000: SALES VOLUME OVER \$1 BILLION
87	OSC00_A	Num	8	624	ABI 2000: OFFICE SIZE 1 Professional
88	OSC00_B	Num	8	632	ABI 2000: OFFICE SIZE 2 Professionals
89	OSC00_C	Num	8	640	ABI 2000: OFFICE SIZE 3 Professionals
90	OSC00_D	Num	8	648	ABI 2000: OFFICE SIZE 4 Professionals
91	OSC00_E	Num	8	656	ABI 2000: OFFICE SIZE 5-9 Professionals
92	OSC00_F	Num	8	664	ABI 2000: OFFICE SIZE 10+ Professionals
93	NZIPHPRC	Num	8	672	Number of ZIP codes tract is part of
94	P10_1991	Num	8	680	Avg price 1991: all homes
95	P10_1992	Num	8	688	Avg price 1992: all homes
96	P10_1993	Num	8	696	Avg price 1993: all homes
97	P10_1994	Num	8	704	Avg price 1994: all homes
98	P10_1995	Num	8	712	Avg price 1995: all homes
99	P10_1996	Num	8	720	Avg price 1996: all homes
100	P10_1997	Num	8	728	Avg price 1997: all homes

101	P10_1998	Num	8	736	Avg price 1998: all homes
102	P10_1999	Num	8	744	Avg price 1999: all homes
103	P10_2000	Num	8	752	Avg price 2000: all homes
104	P10_2001	Num	8	760	Avg price 2001: all homes
105	P10_2002	Num	8	768	Avg price 1st qtr 2002: all homes
106	P11_1991	Num	8	776	Avg price 1991: single family
107	P11_1992	Num	8	784	Avg price 1992: single family
108	P11_1993	Num	8	792	Avg price 1993: single family
109	P11_1994	Num	8	800	Avg price 1994: single family
110	P11_1995	Num	8	808	Avg price 1995: single family
111	P11_1996	Num	8	816	Avg price 1996: single family
112	P11_1997	Num	8	824	Avg price 1997: single family
113	P11_1998	Num	8	832	Avg price 1998: single family
114	P11_1999	Num	8	840	Avg price 1999: single family
115	P11_2000	Num	8	848	Avg price 2000: single family
116	P11_2001	Num	8	856	Avg price 2001: single family
117	P11_2002	Num	8	864	Avg price 1st qtr 2002: single family
118	P12_1991	Num	8	872	Avg price 1991: condo/townhome
119	P12_1992	Num	8	880	Avg price 1992: condo/townhome
120	P12_1993	Num	8	888	Avg price 1993: condo/townhome
121	P12_1994	Num	8	896	Avg price 1994: condo/townhome
122	P12_1995	Num	8	904	Avg price 1995: condo/townhome
123	P12_1996	Num	8	912	Avg price 1996: condo/townhome
124	P12_1997	Num	8	920	Avg price 1997: condo/townhome
125	P12_1998	Num	8	928	Avg price 1998: condo/townhome
126	P12_1999	Num	8	936	Avg price 1999: condo/townhome

127	P12_2000	Num	8	944	Avg price 2000: condo/townhome
128	P12_2001	Num	8	952	Avg price 2001: condo/townhome
129	P12_2002	Num	8	960	Avg price 1st qtr 2002: condo/townhome
130	M10_1991	Num	8	968	Avg median price 1991: all homes
131	M10_1992	Num	8	976	Avg median price 1992: all homes
132	M10_1993	Num	8	984	Avg median price 1993: all homes
133	M10_1994	Num	8	992	Avg median price 1994: all homes
134	M10_1995	Num	8	1000	Avg median price 1995: all homes
135	M10_1996	Num	8	1008	Avg median price 1996: all homes
136	M10_1997	Num	8	1016	Avg median price 1997: all homes
137	M10_1998	Num	8	1024	Avg median price 1998: all homes
138	M10_1999	Num	8	1032	Avg median price 1999: all homes
139	M10_2000	Num	8	1040	Avg median price 2000: all homes
140	M10_2001	Num	8	1048	Avg median price 2001: all homes
141	M10_2002	Num	8	1056	Avg median price qtr1 2002: all homes
142	M11_1991	Num	8	1064	Avg median price 1991: single family
143	M11_1992	Num	8	1072	Avg median price 1992: single family
144	M11_1993	Num	8	1080	Avg median price 1993: single family
145	M11_1994	Num	8	1088	Avg median price 1994: single family
146	M11_1995	Num	8	1096	Avg median price 1995: single family
147	M11_1996	Num	8	1104	Avg median price 1996: single family
148	M11_1997	Num	8	1112	Avg median price 1997: single family
149	M11_1998	Num	8	1120	Avg median price 1998: single family
150	M11_1999	Num	8	1128	Avg median price 1999: single family
151	M11_2000	Num	8	1136	Avg median price 2000: single family
152	M11_2001	Num	8	1144	Avg median price 2001: single family

153	M11_2002	Num	8	1152	Avg median price qtr1 2002: single family
154	M12_1991	Num	8	1160	Avg median price 1991: condo/townhome
155	M12_1992	Num	8	1168	Avg median price 1992: condo/townhome
156	M12_1993	Num	8	1176	Avg median price 1993: condo/townhome
157	M12_1994	Num	8	1184	Avg median price 1994: condo/townhome
158	M12_1995	Num	8	1192	Avg median price 1995: condo/townhome
159	M12_1996	Num	8	1200	Avg median price 1996: condo/townhome
160	M12_1997	Num	8	1208	Avg median price 1997: condo/townhome
161	M12_1998	Num	8	1216	Avg median price 1998: condo/townhome
162	M12_1999	Num	8	1224	Avg median price 1999: condo/townhome
163	M12_2000	Num	8	1232	Avg median price 2000: condo/townhome
164	M12_2001	Num	8	1240	Avg median price 2001: condo/townhome
165	M12_2002	Num	8	1248	Avg median price qtr1 2002: condo/townhme
166	N10_1991	Num	8	1256	Number sold 1991: all homes
167	N10_1992	Num	8	1264	Number sold 1992: all homes
168	N10_1993	Num	8	1272	Number sold 1993: all homes
169	N10_1994	Num	8	1280	Number sold 1994: all homes
170	N10_1995	Num	8	1288	Number sold 1995: all homes
171	N10_1996	Num	8	1296	Number sold 1996: all homes
172	N10_1997	Num	8	1304	Number sold 1997: all homes
173	N10_1998	Num	8	1312	Number sold 1998: all homes
174	N10_1999	Num	8	1320	Number sold 1999: all homes
175	N10_2000	Num	8	1328	Number sold 2000: all homes
176	N10_2001	Num	8	1336	Number sold 2001: all homes
177	N10_2002	Num	8	1344	Number sold 1st qtr 2002: all homes
178	N11_1991	Num	8	1352	Number sold 1991: single family

179	N11_1992	Num	8	1360	Number sold 1992: single family
180	N11_1993	Num	8	1368	Number sold 1993: single family
181	N11_1994	Num	8	1376	Number sold 1994: single family
182	N11_1995	Num	8	1384	Number sold 1995: single family
183	N11_1996	Num	8	1392	Number sold 1996: single family
184	N11_1997	Num	8	1400	Number sold 1997: single family
185	N11_1998	Num	8	1408	Number sold 1998: single family
186	N11_1999	Num	8	1416	Number sold 1999: single family
187	N11_2000	Num	8	1424	Number sold 2000: single family
188	N11_2001	Num	8	1432	Number sold 2001: single family
189	N11_2002	Num	8	1440	Number sold 1st qtr 2002: single family
190	N12_1991	Num	8	1448	Number sold 1991: condo/townhome
191	N12_1992	Num	8	1456	Number sold 1992: condo/townhome
192	N12_1993	Num	8	1464	Number sold 1993: condo/townhome
193	N12_1994	Num	8	1472	Number sold 1994: condo/townhome
194	N12_1995	Num	8	1480	Number sold 1995: condo/townhome
195	N12_1996	Num	8	1488	Number sold 1996: condo/townhome
196	N12_1997	Num	8	1496	Number sold 1997: condo/townhome
197	N12_1998	Num	8	1504	Number sold 1998: condo/townhome
198	N12_1999	Num	8	1512	Number sold 1999: condo/townhome
199	N12_2000	Num	8	1520	Number sold 2000: condo/townhome
200	N12_2001	Num	8	1528	Number sold 2001: condo/townhome
201	N12_2002	Num	8	1536	Number sold 1st qtr 2002: condo/townhome
202	NZIPPAYR	Num	8	1544	Number of ZIPs tract is part of
203	EMP1_99	Num	8	1552	1999 Qtr 1: average employment in quarter
204	EMP2_99	Num	8	1560	1999 Qtr 2: average employment in quarter

205	EMP3_99	Num	8	1568	1999 Qtr 3: average employment in quarter
206	EMP4_99	Num	8	1576	1999 Qtr 4: average employment in quarter
207	EMP1_00	Num	8	1584	2000 Qtr 1: average employment in quarter
208	EMP2_00	Num	8	1592	2000 Qtr 2: average employment in quarter
209	EMP3_00	Num	8	1600	2000 Qtr 3: average employment in quarter
210	EMP4_00	Num	8	1608	2000 Qtr 4: average employment in quarter
211	EMP1_01	Num	8	1616	2001 Qtr 1: average employment in quarter
212	EMP2_01	Num	8	1624	2001 Qtr 2: average employment in quarter
213	EMP3_01	Num	8	1632	2001 Qtr 3: average employment in quarter
214	PAY1_99	Num	8	1640	1999 Qtr 1: total payroll for quarter
215	PAY2_99	Num	8	1648	1999 Qtr 2: total payroll for quarter
216	PAY3_99	Num	8	1656	1999 Qtr 3: total payroll for quarter
217	PAY4_99	Num	8	1664	1999 Qtr 4: total payroll for quarter
218	PAY1_00	Num	8	1672	2000 Qtr 1: total payroll for quarter
219	PAY2_00	Num	8	1680	2000 Qtr 2: total payroll for quarter
220	PAY3_00	Num	8	1688	2000 Qtr 3: total payroll for quarter
221	PAY4_00	Num	8	1696	2000 Qtr 4: total payroll for quarter
222	PAY1_01	Num	8	1704	2001 Qtr 1: total payroll for quarter
223	PAY2_01	Num	8	1712	2001 Qtr 2: total payroll for quarter
224	PAY3_01	Num	8	1720	2001 Qtr 3: total payroll for quarter
225	FIRM1_99	Num	8	1728	1999 Qtr 1: firms represented in quarter
226	FIRM2_99	Num	8	1736	1999 Qtr 2: firms represented in quarter
227	FIRM3_99	Num	8	1744	1999 Qtr 3: firms represented in quarter
228	FIRM4_99	Num	8	1752	1999 Qtr 4: firms represented in quarter
229	FIRM1_00	Num	8	1760	2000 Qtr 1: firms represented in quarter
230	FIRM2_00	Num	8	1768	2000 Qtr 2: firms represented in quarter

231	FIRM3_00	Num	8	1776	2000 Qtr 3: firms represented in quarter
232	FIRM4_00	Num	8	1784	2000 Qtr 4: firms represented in quarter
233	FIRM1_01	Num	8	1792	2001 Qtr 1: firms represented in quarter
234	FIRM2_01	Num	8	1800	2001 Qtr 2: firms represented in quarter
235	FIRM3_01	Num	8	1808	2001 Qtr 3: firms represented in quarter

NSC_POP: 1,653 records, 97 variables

#	Variable	Type	Len	Pos	Label
1	TRACT90	Char	12	752	1990 Census tract: 06CCxxxx.xx format
2	CTRACT	Char	7	764	1990 Census tract: xxxx.xx format
3	NO80_00	Num	3	771	No 1980-2000 Census numbers
4	TOTPOP80	Num	8	0	TOTAL POPULATION (1980)
5	TOTHH80	Num	8	8	TOTAL HOUSEHOLDS (1980)
6	UNITS80	Num	8	16	TOTAL HOUSING UNITS (1980)
7	OCCUP80	Num	8	24	OCCUPIED HOUSING UNITS (1980)
8	VACANT80	Num	8	32	VACANT HOUSING UNITS (1980)
9	MALE80	Num	8	40	TOTAL MALE POPULATION (1980)
10	FEMALE80	Num	8	48	TOTAL FEMALE POPULATION (1980)
11	BLACK80	Num	8	56	BLACK (1980)
12	RENTER80	Num	8	64	RENTER OCCUPIED HOUSING UNITS (1980)
13	NHWHIT80	Num	8	72	NON-HISPANIC WHITE (1980)
14	LATINO80	Num	8	80	LATINO (1980)
15	API80	Num	8	88	ASIAN/PACIFIC ISLANDER (1980)
16	OTHER80	Num	8	96	RACE/ETHNIC OTHER (1980)
17	F0_480	Num	8	104	FEMALE 0-4 YEARS OF AGE (1980)
18	F5_1480	Num	8	112	FEMALE 5-14 YEARS OF AGE (1980)
19	F15_1780	Num	8	120	FEMALE 15-17 YEARS OF AGE (1980)
20	F18_6480	Num	8	128	FEMALE 18-64 YEARS OF AGE (1980)
21	F6580	Num	8	136	FEMALE 65 YEARS OF AGE AND OLDER (1980)
22	F15_4480	Num	8	144	FEMALE 15-44 YEARS OF AGE (1980)

23	M0_480	Num	8	152	MALE 0-4 YEARS OF AGE (1980)
24	M5_1480	Num	8	160	MALE 5-14 YEARS OF AGE (1980)
25	M18_6480	Num	8	168	MALE 18-64 YEARS OF AGE (1980)
26	M6580	Num	8	176	MALE 65 YEARS OF AGE AND OLDER (1980)
27	M15_1780	Num	8	184	MALE 15-17 YEARS OF AGE (1980)
28	HHFM80	Num	8	192	FAMILY HOUSEHOLDS: MARRIED COUPLE (1980)
29	HHMH80	Num	8	200	OTHER FAMILY HOUSEHOLDS: MALE HH (1980)
30	HHFH80	Num	8	208	OTHER FAMILY HOUSEHOLDS: FEMALE HH (1980)
31	HHNOF80	Num	8	216	NONFAMILY HOUSEHOLDS (1980)
32	OWNER80	Num	8	224	OWNER OCCUPIED HOUSING UNITS (1980)
33	TOTPOP90	Num	8	232	TOTAL POPULATION (1990)
34	TOTHH90	Num	8	240	TOTAL HOUSEHOLDS (1990)
35	MHHINC90	Num	8	248	MEDIAN HOUSEHOLD INCOME, 1989 (1990)
36	UNITS90	Num	8	256	TOTAL HOUSING UNITS (1990)
37	OCCUP90	Num	8	264	OCCUPIED HOUSING UNITS (1990)
38	VACANT90	Num	8	272	VACANT HOUSING UNITS (1990)
39	OWNER90	Num	8	280	OWNER OCCUPIED HOUSING UNITS (1990)
40	RENTER90	Num	8	288	RENTER OCCUPIED HOUSING UNITS (1990)
41	NHWHIT90	Num	8	296	NON-HISPANIC WHITE (1990)
42	BLACK90	Num	8	304	BLACK (1990)
43	LATINO90	Num	8	312	LATINO (1990)
44	OTHER90	Num	8	320	RACE/ETHNIC OTHER (1990)
45	API90	Num	8	328	ASIAN/PACIFIC ISLANDER (1990)
46	M0_490	Num	8	336	MALE 0-4 YEARS OF AGE (1990)
47	M5_1490	Num	8	344	MALE 5-14 YEARS OF AGE (1990)
48	M15_1790	Num	8	352	MALE 15-17 YEARS OF AGE (1990)

49	M18_6490	Num	8	360	MALE 18-64 YEARS OF AGE (1990)
50	M6590	Num	8	368	MALE 65 YEARS OF AGE AND OLDER (1990)
51	F0_490	Num	8	376	FEMALE 0-4 YEARS OF AGE (1990)
52	F5_1490	Num	8	384	FEMALE 5-14 YEARS OF AGE (1990)
53	F15_1790	Num	8	392	FEMALE 15-17 YEARS OF AGE (1990)
54	F18_6490	Num	8	400	FEMALE 18-64 YEARS OF AGE (1990)
55	F6590	Num	8	408	FEMALE 65 YEARS OF AGE AND OLDER (1990)
56	F15_4490	Num	8	416	FEMALE 15-44 YEARS OF AGE (1990)
57	HHFMC90	Num	8	424	FAMILY HH: MARRIED COUPLE W/ KIDS (1990)
58	HHFMNC90	Num	8	432	FAMILY HH: MARRIED COUPLE W/O KIDS (1990)
59	HHMHC90	Num	8	440	OTHER FAMILY HH: MALE HH W/ KIDS (1990)
60	HHMHNC90	Num	8	448	OTHER FAMILY HH: MALE HH W/O KIDS (1990)
61	HHFHC90	Num	8	456	OTHER FAMILY HH: FEMALE HH W/ KIDS (1990)
62	HHFHNC90	Num	8	464	OTHER FAMILY HH: FEMALE HH W/O KIDS (1990)
63	HHNOF90	Num	8	472	NONFAMILY HOUSEHOLDS (1990)
64	MALE90	Num	8	480	TOTAL MALE POPULATION (1990)
65	FEMALE90	Num	8	488	TOTAL FEMALE POPULATION (1990)
66	TOTPOP00	Num	8	496	TOTAL POPULATION (2000)
67	NHWHIT00	Num	8	504	NON-HISPANIC WHITE (2000)
68	BLACK00	Num	8	512	BLACK (2000)
69	LATINO00	Num	8	520	LATINO (2000)
70	API00	Num	8	528	ASIAN/PACIFIC ISLANDER (2000)
71	OTHER00	Num	8	536	RACE/ETHNIC OTHER (2000)
72	FEMALE00	Num	8	544	TOTAL FEMALE POPULATION (2000)
73	M0_400	Num	8	552	MALE 0-4 YEARS OF AGE (2000)
74	M5_1400	Num	8	560	MALE 5-14 YEARS OF AGE (2000)

75	M15_1700	Num	8	568	MALE 15-17 YEARS OF AGE (2000)
76	M18_6400	Num	8	576	MALE 18-64 YEARS OF AGE (2000)
77	M6500	Num	8	584	MALE 65 YEARS OF AGE AND OLDER (2000)
78	F0_400	Num	8	592	FEMALE 0-4 YEARS OF AGE (2000)
79	F5_1400	Num	8	600	FEMALE 5-14 YEARS OF AGE (2000)
80	F15_1700	Num	8	608	FEMALE 15-17 YEARS OF AGE (2000)
81	F18_6400	Num	8	616	FEMALE 18-64 YEARS OF AGE (2000)
82	F6500	Num	8	624	FEMALE 65 YEARS OF AGE AND OLDER (2000)
83	F15_4400	Num	8	632	FEMALE 15-44 YEARS OF AGE (2000)
84	TOTHH00	Num	8	640	TOTAL HOUSEHOLDS (2000)
85	HHFMC00	Num	8	648	FAMILY HH: MARRIED COUPLE W/ KIDS (2000)
86	HHFMNC00	Num	8	656	FAMILY HH: MARRIED COUPLE W/O KIDS (2000)
87	HHMHC00	Num	8	664	OTHER FAMILY HH: MALE HH W/ KIDS (2000)
88	HHMHNC00	Num	8	672	OTHER FAMILY HH: MALE HH W/O KIDS (2000)
89	HHFHC00	Num	8	680	OTHER FAMILY HH: FEMALE HH W/ KIDS (2000)
90	HHFHNC00	Num	8	688	OTHER FAMILY HH: FEMALE HH W/O KIDS (2000)
91	UNITS00	Num	8	696	TOTAL HOUSING UNITS (2000)
92	OCCUP00	Num	8	704	OCCUPIED HOUSING UNITS (2000)
93	VACANT00	Num	8	712	VACANT HOUSING UNITS (2000)
94	OWNER00	Num	8	720	OWNER OCCUPIED HOUSING UNITS (2000)
95	RENTER00	Num	8	728	RENTER OCCUPIED HOUSING UNITS (2000)
96	HHNOF00	Num	8	736	NONFAMILY HOUSEHOLDS (2000)
97	MALE00	Num	8	744	TOTAL MALE POPULATION (2000)

NSC_POV: 1,639 records, 117 variables

#	Variable	Type	Len	Pos	Label
1	TRACT90	Char	12	920	1990 Census tract: 06CCCxxxx.xx format
2	CTRACT	Char	7	932	1990 Census tract: xxxx.xx format
3	TRACT	Num	8	0	CENSUS TRACT NUMBER
4	NETHNIC	Num	8	8	number of ethnic grps in tract
5	A_FGCASE	Num	8	16	ASIAN: cases qual by single par
6	B_FGCASE	Num	8	24	BLACK: cases qual by single par
7	H_FGCASE	Num	8	32	HISP: cases qual by single pare
8	W_FGCASE	Num	8	40	WHITE: cases qual by single par
9	O_FGCASE	Num	8	48	OTHER: cases qual by single par
10	A_FGPERS	Num	8	56	ASIAN: persons qual through sin
11	B_FGPERS	Num	8	64	BLACK: persons qual through sin
12	H_FGPERS	Num	8	72	HISP: persons qual through sing
13	W_FGPERS	Num	8	80	WHITE: persons qual through sin
14	O_FGPERS	Num	8	88	OTHER: persons qual through sin
15	A_FSOPER	Num	8	96	ASIAN: food stamp only persons
16	B_FSOPER	Num	8	104	BLACK: food stamp only persons
17	H_FSOPER	Num	8	112	HISP: food stamp only persons
18	W_FSOPER	Num	8	120	WHITE: food stamp only persons
19	O_FSOPER	Num	8	128	OTHER: food stamp only persons
20	A_FSOHH	Num	8	136	ASIAN: food stamp only hhlds
21	B_FSOHH	Num	8	144	BLACK: food stamp only hhlds
22	H_FSOHH	Num	8	152	HISP: food stamp only hhlds

23	W_FSOHH	Num	8	160	WHITE: food stamp only hhlds
24	O_FSOHH	Num	8	168	OTHER: food stamp only hhlds
25	A_GASTPR	Num	8	176	ASIAN: general assistance persons
26	B_GASTPR	Num	8	184	BLACK: general assistance persons
27	H_GASTPR	Num	8	192	HISP: general assistance persons
28	W_GASTPR	Num	8	200	WHITE: general assistance persons
29	O_GASTPR	Num	8	208	OTHER: general assistance persons
30	A_GASTHH	Num	8	216	ASIAN: general assistance households
31	B_GASTHH	Num	8	224	BLACK: general assistance households
32	H_GASTHH	Num	8	232	HISP: general assistance households
33	W_GASTHH	Num	8	240	WHITE: general assistance households
34	O_GASTHH	Num	8	248	OTHER: general assistance households
35	A_IHSPER	Num	8	256	ASIAN: in home service persons
36	B_IHSPER	Num	8	264	BLACK: in home service persons
37	H_IHSPER	Num	8	272	HISP: in home service persons
38	W_IHSPER	Num	8	280	WHITE: in home service persons
39	O_IHSPER	Num	8	288	OTHER: in home service persons
40	A_IHSHH	Num	8	296	ASIAN: in home service cases
41	B_IHSHH	Num	8	304	BLACK: in home service cases
42	H_IHSHH	Num	8	312	HISP: in home service cases
43	W_IHSHH	Num	8	320	WHITE: in home service cases
44	O_IHSHH	Num	8	328	OTHER: in home service cases
45	A_MEDOPR	Num	8	336	ASIAN: medical only persons
46	B_MEDOPR	Num	8	344	BLACK: medical only persons
47	H_MEDOPR	Num	8	352	HISP: medical only persons
48	W_MEDOPR	Num	8	360	WHITE: medical only persons

49	O_MEDOPR	Num	8	368	OTHER: medical only persons
50	A_MEDOHH	Num	8	376	ASIAN: medical only households
51	B_MEDOHH	Num	8	384	BLACK: medical only households
52	H_MEDOHH	Num	8	392	HISP: medical only households
53	W_MEDOHH	Num	8	400	WHITE: medical only households
54	O_MEDOHH	Num	8	408	OTHER: medical only households
55	A_ALLPER	Num	8	416	ASIAN: all types of aided persons
56	B_ALLPER	Num	8	424	BLACK: all types of aided persons
57	H_ALLPER	Num	8	432	HISP: all types of aided persons
58	W_ALLPER	Num	8	440	WHITE: all types of aided persons
59	O_ALLPER	Num	8	448	OTHER: all types of aided persons
60	A_UNEMPR	Num	8	456	ASIAN: persons qual through unemployment
61	B_UNEMPR	Num	8	464	BLACK: persons qual through unemployment
62	H_UNEMPR	Num	8	472	HISP: persons qual through unemployment
63	W_UNEMPR	Num	8	480	WHITE: persons qual through unemployment
64	O_UNEMPR	Num	8	488	OTHER: persons qual through unemployment
65	A_UNEMHH	Num	8	496	ASIAN: hholds qual through unemployment
66	B_UNEMHH	Num	8	504	BLACK: hholds qual through unemployment
67	H_UNEMHH	Num	8	512	HISP: hholds qual through unemployment
68	W_UNEMHH	Num	8	520	WHITE: hholds qual through unemployment
69	O_UNEMHH	Num	8	528	OTHER: hholds qual through unemployment
70	MED95HH	Num	8	536	MEDIAN INC FOR 1995 TAX YR
71	ADJ97CPS	Num	8	544	GROSS ADJ. TO LACO CCPS 1997 TO
72	INEST97	Num	8	552	TRACT IN EST97_49 DATA
73	INETH97	Num	8	560	TRACT IN ETH97CT DATA
74	INMED	Num	8	568	TRACT IN MEDINC2 DATA

75	INPOV97	Num	8	576	1 = Tract in pov97
76	REPAIR	Num	8	584	If var was repaired, =1
77	NO_POP	Num	8	592	If Tract Has No Pop, =1
78	NO_DPSS	Num	8	600	If DPSS data are 0, =1
79	W0_19_97	Num	8	608	1997: White kids: 0-19
80	B0_19_97	Num	8	616	1997: Black kids: 0-19
81	A0_19_97	Num	8	624	1997: Asian kids: 0-19
82	I0_19_97	Num	8	632	1997: AmerInd kids: 0-19
83	H0_19_97	Num	8	640	1997: Hispanic kids: 0-19
84	T0_19_97	Num	8	648	1997: All children: 0-19
85	W_ALL_97	Num	8	656	1997: White Total
86	B_ALL_97	Num	8	664	1997: Black Total
87	A_ALL_97	Num	8	672	1997: Asian Total
88	I_ALL_97	Num	8	680	1997: American Indian Total
89	H_ALL_97	Num	8	688	1997: Hispanic Total
90	TOTPOP97	Num	8	696	1997: Total Population
91	W0_19P97	Num	8	704	1997: Pov. White kids: 0-19
92	B0_19P97	Num	8	712	1997: Pov. Black kids: 0-19
93	A0_19P97	Num	8	720	1997: Pov. Asian kids: 0-19
94	I0_19P97	Num	8	728	1997: Pov. AmerInd kids: 0-19
95	H0_19P97	Num	8	736	1997: Pov. Hispanic kids: 0-19
96	T0_19P97	Num	8	744	1997: All children: 0-19 in Poverty
97	W_ALLP97	Num	8	752	1997: In Pov: White Total
98	B_ALLP97	Num	8	760	1997: In Pov: Black Total
99	A_ALLP97	Num	8	768	1997: In Pov: Asian Total
100	I_ALLP97	Num	8	776	1997: In Pov: American Indian Total

101	H_ALLP97	Num	8	784	1997: In Pov: Hispanic Total
102	TOTPOV97	Num	8	792	1997: Total Pop below 100% Pov
103	M_ALLP97	Num	8	800	1997: In Pov: Males total
104	F_ALLP97	Num	8	808	1997: In Pov: Females total
105	M0_19P97	Num	8	816	1997: In Pov: Males age 0-19 total
106	F0_19P97	Num	8	824	1997: In Pov: Feales age 0-19 total
107	PCTPOV97	Num	8	832	1997: % of Total Population in Poverty
108	LN95HH	Num	8	840	Log median HH income in 1995
109	FG_PERS	Num	8	848	Single Parent Recipients
110	UADPRS	Num	8	856	Unemployment Recipients
111	WF_PERS	Num	8	864	Welfare Recipients
112	WF_PCT	Num	8	872	Percent on Welfare
113	GA_PERS	Num	8	880	General Assistance Recipients
114	GA_PCT	Num	8	888	Percent on General Assistance
115	FS_PERS	Num	8	896	Food Stamp Recipients
116	FS_PCT	Num	8	904	Percent on Food Stamps
117	STRATA	Num	8	912	Poverty Category

NSC_SF3: 1,652 records, 384 variables

#	Variable	Type	Len	Pos	Label
1	TRACT90	Char	12	3040	1990 census tract: 06CCCxxxx.xx format
2	tr90_12	Char	12	3052	1990 CENSUS TRACT: SSCCCXXXX.XX FORMAT
3	P001001	Num	8	0	Total population: Total
4	P007003	Num	8	8	Total population: Not Hispanic or Latino: White alone
5	P007004	Num	8	16	Total population: Not Hispanic or Latino: Black or African American alone
6	P007005	Num	8	24	Total population: Not Hispanic or Latino: American Indian and Alaska Native alone
7	P007006	Num	8	32	Total population: Not Hispanic or Latino: Asian alone
8	P007007	Num	8	40	Total population: Not Hispanic or Latino: Native Hawaiian and Other Pacific Islander alone
9	P007008	Num	8	48	Total population: Not Hispanic or Latino: Some other race alone
10	P007009	Num	8	56	Total population: Not Hispanic or Latino: Two or more races
11	P007010	Num	8	64	Total population: Hispanic or Latino
12	P008003	Num	8	72	Total population: Male: Under 1 year
13	P008004	Num	8	80	Total population: Male: 1 year
14	P008005	Num	8	88	Total population: Male: 2 years
15	P008006	Num	8	96	Total population: Male: 3 years
16	P008007	Num	8	104	Total population: Male: 4 years
17	P008008	Num	8	112	Total population: Male: 5 years
18	P008009	Num	8	120	Total population: Male: 6 years
19	P008010	Num	8	128	Total population: Male: 7 years
20	P008011	Num	8	136	Total population: Male: 8 years

21	P008012	Num	8	144	Total population: Male: 9 years
22	P008013	Num	8	152	Total population: Male: 10 years
23	P008014	Num	8	160	Total population: Male: 11 years
24	P008015	Num	8	168	Total population: Male: 12 years
25	P008016	Num	8	176	Total population: Male: 13 years
26	P008017	Num	8	184	Total population: Male: 14 years
27	P008018	Num	8	192	Total population: Male: 15 years
28	P008019	Num	8	200	Total population: Male: 16 years
29	P008020	Num	8	208	Total population: Male: 17 years
30	P008021	Num	8	216	Total population: Male: 18 years
31	P008022	Num	8	224	Total population: Male: 19 years
32	P008023	Num	8	232	Total population: Male: 20 years
33	P008024	Num	8	240	Total population: Male: 21 years
34	P008025	Num	8	248	Total population: Male: 22 to 24 years
35	P008026	Num	8	256	Total population: Male: 25 to 29 years
36	P008027	Num	8	264	Total population: Male: 30 to 34 years
37	P008028	Num	8	272	Total population: Male: 35 to 39 years
38	P008029	Num	8	280	Total population: Male: 40 to 44 years
39	P008030	Num	8	288	Total population: Male: 45 to 49 years
40	P008031	Num	8	296	Total population: Male: 50 to 54 years
41	P008032	Num	8	304	Total population: Male: 55 to 59 years
42	P008033	Num	8	312	Total population: Male: 60 and 61 years
43	P008034	Num	8	320	Total population: Male: 62 to 64 years
44	P008035	Num	8	328	Total population: Male: 65 and 66 years
45	P008036	Num	8	336	Total population: Male: 67 to 69 years
46	P008037	Num	8	344	Total population: Male: 70 to 74 years

47	P008038	Num	8	352	Total population: Male: 75 to 79 years
48	P008039	Num	8	360	Total population: Male: 80 to 84 years
49	P008040	Num	8	368	Total population: Male: 85 years and over
50	P008042	Num	8	376	Total population: Female: Under 1 year
51	P008043	Num	8	384	Total population: Female: 1 year
52	P008044	Num	8	392	Total population: Female: 2 years
53	P008045	Num	8	400	Total population: Female: 3 years
54	P008046	Num	8	408	Total population: Female: 4 years
55	P008047	Num	8	416	Total population: Female: 5 years
56	P008048	Num	8	424	Total population: Female: 6 years
57	P008049	Num	8	432	Total population: Female: 7 years
58	P008050	Num	8	440	Total population: Female: 8 years
59	P008051	Num	8	448	Total population: Female: 9 years
60	P008052	Num	8	456	Total population: Female: 10 years
61	P008053	Num	8	464	Total population: Female: 11 years
62	P008054	Num	8	472	Total population: Female: 12 years
63	P008055	Num	8	480	Total population: Female: 13 years
64	P008056	Num	8	488	Total population: Female: 14 years
65	P008057	Num	8	496	Total population: Female: 15 years
66	P008058	Num	8	504	Total population: Female: 16 years
67	P008059	Num	8	512	Total population: Female: 17 years
68	P008060	Num	8	520	Total population: Female: 18 years
69	P008061	Num	8	528	Total population: Female: 19 years
70	P008062	Num	8	536	Total population: Female: 20 years
71	P008063	Num	8	544	Total population: Female: 21 years
72	P008064	Num	8	552	Total population: Female: 22 to 24 years

73	P008065	Num	8	560	Total population: Female: 25 to 29 years
74	P008066	Num	8	568	Total population: Female: 30 to 34 years
75	P008067	Num	8	576	Total population: Female: 35 to 39 years
76	P008068	Num	8	584	Total population: Female: 40 to 44 years
77	P008069	Num	8	592	Total population: Female: 45 to 49 years
78	P008070	Num	8	600	Total population: Female: 50 to 54 years
79	P008071	Num	8	608	Total population: Female: 55 to 59 years
80	P008072	Num	8	616	Total population: Female: 60 and 61 years
81	P008073	Num	8	624	Total population: Female: 62 to 64 years
82	P008074	Num	8	632	Total population: Female: 65 and 66 years
83	P008075	Num	8	640	Total population: Female: 67 to 69 years
84	P008076	Num	8	648	Total population: Female: 70 to 74 years
85	P008077	Num	8	656	Total population: Female: 75 to 79 years
86	P008078	Num	8	664	Total population: Female: 80 to 84 years
87	P008079	Num	8	672	Total population: Female: 85 years and over
88	HCT001005	Num	8	680	Occupied housing units: Owner occupied: Family households: Married-couple family: With own children under 18 years
89	HCT001012	Num	8	688	Occupied housing units: Owner occupied: Family households: Other family: householder: no wife present: With own children under 18 years
90	HCT001018	Num	8	696	Occupied housing units: Owner occupied: Family households: Other family: Female householder: no husband present: With own children under 18 years
91	HCT001031	Num	8	704	Occupied housing units: Renter occupied: Family households: Married-couple family: With own children under 18 years
92	HCT001038	Num	8	712	Occupied housing units: Renter occupied: Family households: Other family: Male householder: no wife present: With own children under 18 years

93	HCT001044	Num	8	720	Occupied housing units: Renter occupied: Family households: Other family: Female householder: no husband present: With own children under 18 years
94	H019029	Num	8	728	Occupied housing units: Owner occupied: Nonfamily households
95	H019091	Num	8	736	Occupied housing units: Renter occupied: Nonfamily households
96	H030001	Num	8	744	Housing units: Total
97	H030005	Num	8	752	Housing units: 3 or 4 units in structure
98	H030006	Num	8	760	Housing units: 5 to 9 units in structure
99	H030007	Num	8	768	Housing units: 10 to 19 units in structure
100	H030008	Num	8	776	Housing units: 20 to 49 units in structure
101	H030009	Num	8	784	Housing units: 50 or more units in structure
102	P019024	Num	8	792	Population 5 years and over: 18 to 64 years
103	P019025	Num	8	800	Population 5 years and over: 18 to 64 years: Speak only English
104	P019026	Num	8	808	Population 5 years and over: 18 to 64 years: Speak Spanish
105	P019027	Num	8	816	Population 5 years and over: 18 to 64 years: Speak Spanish: Speak English "very well"
106	P019032	Num	8	824	Population 5 years and over: 18 to 64 years: Speak other Indo-European languages: Speak English "very well"
107	P019034	Num	8	832	Population 5 years and over: 18 to 64 years: Speak other Indo-European languages: Speak English "not well"
108	P019035	Num	8	840	Population 5 years and over: 18 to 64 years: Speak other Indo-European languages: Speak English "not at all"
109	P019037	Num	8	848	Population 5 years and over: 18 to 64 years: Speak Asian and Pacific Island languages: Speak English "very well"
110	P019039	Num	8	856	Population 5 years and over: 18 to 64 years: Speak Asian and Pacific Island languages: Speak English "not well"

111	P019040	Num	8	864	Population 5 years and over: 18 to 64 years: Speak Asian and Pacific Island languages: Speak English "not at all"
112	P019042	Num	8	872	Population 5 years and over: 18 to 64 years: Speak other languages: Speak English "very well"
113	P019044	Num	8	880	Population 5 years and over: 18 to 64 years: Speak other languages: Speak English "not well"
114	P019045	Num	8	888	Population 5 years and over: 18 to 64 years: Speak other languages: Speak English "not at all"
115	P019046	Num	8	896	Population 5 years and over: 65 years and over
116	P019047	Num	8	904	Population 5 years and over: 65 years and over: Speak only English
117	P019048	Num	8	912	Population 5 years and over: 65 years and over: Speak Spanish
118	P019049	Num	8	920	Population 5 years and over: 65 years and over: Speak Spanish: Speak English "very well"
119	P019054	Num	8	928	Population 5 years and over: 65 years and over: Speak other Indo-European languages: Speak English "very well"
120	P019056	Num	8	936	Population 5 years and over: 65 years and over: Speak other Indo-European languages: Speak English "not well"
121	P019057	Num	8	944	Population 5 years and over: 65 years and over: Speak other Indo-European languages: Speak English "not at all"
122	P019059	Num	8	952	Population 5 years and over: 65 years and over: Speak Asian and Pacific Island languages: Speak English "very well"
123	P019061	Num	8	960	Population 5 years and over: 65 years and over: Speak Asian and Pacific Island languages: Speak English "not well"
124	P019062	Num	8	968	Population 5 years and over: 65 years and over: Speak Asian and Pacific Island languages: Speak English "not at all"

125	P019064	Num	8	976	Population 5 years and over: 65 years and over: Speak other languages: Speak English "very well"
126	P019066	Num	8	984	Population 5 years and over: 65 years and over: Speak other languages: Speak English "not well"
127	P019067	Num	8	992	Population 5 years and over: 65 years and over: Speak other languages: Speak English "not at all"
128	P021001	Num	8	1000	Total population: Total
129	P021002	Num	8	1008	Total population: Native
130	P021015	Num	8	1016	Total population: Foreign born: Not a citizen
131	P022002	Num	8	1024	Foreign-born population: 1995 to March 2000
132	P022003	Num	8	1032	Foreign-born population: 1990 to 1994
133	P024001	Num	8	1040	Population 5 years and over: Total
134	P024002	Num	8	1048	Population 5 years and over: Same house in 1995
135	P037001	Num	8	1056	Population 25 years and over: Total
136	P037013	Num	8	1064	Population 25 years and over: Male: Some college: 1 or more years: no degree
137	P037014	Num	8	1072	Population 25 years and over: Male: Associate degree
138	P037015	Num	8	1080	Population 25 years and over: Male: Bachelors degree
139	P037016	Num	8	1088	Population 25 years and over: Male: Masters degree
140	P037017	Num	8	1096	Population 25 years and over: Male: Professional school degree
141	P037018	Num	8	1104	Population 25 years and over: Male: Doctorate degree
142	P037030	Num	8	1112	Population 25 years and over: Female: Some college: 1 or more years: no degree
143	P037031	Num	8	1120	Population 25 years and over: Female: Associate degree
144	P037032	Num	8	1128	Population 25 years and over: Female: Bachelors degree
145	P037033	Num	8	1136	Population 25 years and over: Female: Masters degree
146	P037034	Num	8	1144	Population 25 years and over: Female: Professional school degree

147	P037035	Num	8	1152	Population 25 years and over: Female: Doctorate degree
148	P043005	Num	8	1160	Population 16 years and over: Male: In labor force: Civilian
149	P043006	Num	8	1168	Population 16 years and over: Male: In labor force: Civilian: Employed
150	P043007	Num	8	1176	Population 16 years and over: Male: In labor force: Civilian: Unemployed
151	P043012	Num	8	1184	Population 16 years and over: Female: In labor force: Civilian
152	P043013	Num	8	1192	Population 16 years and over: Female: In labor force: Civilian: Employed
153	P043014	Num	8	1200	Population 16 years and over: Female: In labor force: Civilian: Unemployed
154	P050002	Num	8	1208	Employed civilian population 16 years and over: Male
155	P050003	Num	8	1216	Employed civilian population 16 years and over: Male: Management: professional: and related occupations
156	P050004	Num	8	1224	Employed civilian population 16 years and over: Male: Management: professional: and related occupations: Management: business: and financial operations occupations
157	P050005	Num	8	1232	Employed civilian population 16 years and over: Male: Management: professional: and related occupations: Management: business: and financial operations occupations: Management occupations: except farm
158	P050006	Num	8	1240	Employed civilian population 16 years and over: Male: Management: professional: and related occupations: Management: business: and financial operations occupations: Farmers and farm managers
159	P050007	Num	8	1248	Employed civilian population 16 years and over: Male: Management: professional: and related occupations: Management: business: and financial operations occupations: Business and financial operations o
160	P050008	Num	8	1256	Employed civilian population 16 years and over: Male: Management: professional: and related occupations: Management: business: and financial operations occupations: Business and financial operations o

161	P050009	Num	8	1264	Employed civilian population 16 years and over: Male: Management: professional: and related occupations: Management: business: and financial operations occupations: Business and financial operations o
162	P050010	Num	8	1272	Employed civilian population 16 years and over: Male: Management: professional: and related occupations: Professional and related occupations
163	P050011	Num	8	1280	Employed civilian population 16 years and over: Male: Management: professional: and related occupations: Professional and related occupations: Computer and mathematical occupations
164	P050012	Num	8	1288	Employed civilian population 16 years and over: Male: Management: professional: and related occupations: Professional and related occupations: Architecture and engineering occupations
165	P050013	Num	8	1296	Employed civilian population 16 years and over: Male: Management: professional: and related occupations: Professional and related occupations: Architecture and engineering occupations: Architects: sur
166	P050014	Num	8	1304	Employed civilian population 16 years and over: Male: Management: professional: and related occupations: Professional and related occupations: Architecture and engineering occupations: Drafters: engin
167	P050015	Num	8	1312	Employed civilian population 16 years and over: Male: Management: professional: and related occupations: Professional and related occupations: Life: physical: and social science occupations
168	P050016	Num	8	1320	Employed civilian population 16 years and over: Male: Management: professional: and related occupations: Professional and related occupations: Community and social services occupations
169	P050017	Num	8	1328	Employed civilian population 16 years and over: Male: Management: professional: and related occupations: Professional and related occupations: Legal occupations

170	P050018	Num	8	1336	Employed civilian population 16 years and over: Male: Management: professional: and related occupations: Professional and related occupations: Education: training: and library occupations
171	P050019	Num	8	1344	Employed civilian population 16 years and over: Male: Management: professional: and related occupations: Professional and related occupations: Arts: design: entertainment: sports and media occupation
172	P050020	Num	8	1352	Employed civilian population 16 years and over: Male: Management: professional: and related occupations: Professional and related occupations: Healthcare practitioners and technical occupations
173	P050021	Num	8	1360	Employed civilian population 16 years and over: Male: Management: professional: and related occupations: Professional and related occupations: Healthcare practitioners and technical occupations: Healt
174	P050049	Num	8	1368	Employed civilian population 16 years and over: Female
175	P050050	Num	8	1376	Employed civilian population 16 years and over: Female: Management: professional: and related occupations
176	P050051	Num	8	1384	Employed civilian population 16 years and over: Female: Management: professional: and related occupations: Management: business: and financial operations occupations
177	P050052	Num	8	1392	Employed civilian population 16 years and over: Female: Management: professional: and related occupations: Management: business: and financial operations occupations: Management occupations: except fa
178	P050053	Num	8	1400	Employed civilian population 16 years and over: Female: Management: professional: and related occupations: Management: business: and financial operations occupations: Farmers and farm managers

179	P050054	Num	8	1408	Employed civilian population 16 years and over: Female: Management: professional: and related occupations: Management: business: and financial operations occupations: Business and financial operations
180	P050055	Num	8	1416	Employed civilian population 16 years and over: Female: Management: professional: and related occupations: Management: business: and financial operations occupations: Business and financial operations
181	P050056	Num	8	1424	Employed civilian population 16 years and over: Female: Management: professional: and related occupations: Management: business: and financial operations occupations: Business and financial operations
182	P050057	Num	8	1432	Employed civilian population 16 years and over: Female: Management: professional: and related occupations: Professional and related occupations
183	P050058	Num	8	1440	Employed civilian population 16 years and over: Female: Management: professional: and related occupations: Professional and related occupations: Computer and mathematical occupations
184	P050059	Num	8	1448	Employed civilian population 16 years and over: Female: Management: professional: and related occupations: Professional and related occupations: Architecture and engineering occupations
185	P050060	Num	8	1456	Employed civilian population 16 years and over: Female: Management: professional: and related occupations: Professional and related occupations: Architecture and engineering occupations: Architects: s
186	P050061	Num	8	1464	Employed civilian population 16 years and over: Female: Management: professional: and related occupations: Professional and related occupations: Architecture and engineering occupations: Drafters: eng
187	P050062	Num	8	1472	Employed civilian population 16 years and over: Female: Management: professional: and related occupations: Professional and related occupations: Life: physical: and social science occupations

188	P050063	Num	8	1480	Employed civilian population 16 years and over: Female: Management: professional: and related occupations: Professional and related occupations: Community and social services occupations
189	P050064	Num	8	1488	Employed civilian population 16 years and over: Female: Management: professional: and related occupations: Professional and related occupations: Legal occupations
190	P050065	Num	8	1496	Employed civilian population 16 years and over: Female: Management: professional: and related occupations: Professional and related occupations: Education: training: and library occupations
191	P050066	Num	8	1504	Employed civilian population 16 years and over: Female: Management: professional: and related occupations: Professional and related occupations: Arts: design: entertainment: sports: and media occupati
192	P050067	Num	8	1512	Employed civilian population 16 years and over: Female: Management: professional: and related occupations: Professional and related occupations: Healthcare practitioners and technical occupations
193	P050068	Num	8	1520	Employed civilian population 16 years and over: Female: Management: professional: and related occupations: Professional and related occupations: Healthcare practitioners and technical occupations: Hea
194	P064001	Num	8	1528	Households: Total
195	P064002	Num	8	1536	Households: With public assistance income
196	P076001	Num	8	1544	Families: Total
197	P076002	Num	8	1552	Families: Less than \$10:000
198	P076003	Num	8	1560	Families: \$10:000 to \$14:999
199	P076004	Num	8	1568	Families: \$15:000 to \$19:999
200	P076005	Num	8	1576	Families: \$20:000 to \$24:999
201	P076011	Num	8	1584	Families: \$50:000 to \$59:999

202	P076012	Num	8	1592	Families: \$60:000 to \$74:999
203	P076013	Num	8	1600	Families: \$75:000 to \$99:999
204	P076014	Num	8	1608	Families: \$100:000 to \$124:999
205	P076015	Num	8	1616	Families: \$125:000 to \$149:999
206	P076016	Num	8	1624	Families: \$150:000 to \$199:999
207	P076017	Num	8	1632	Families: \$200:000 or more
208	P087001	Num	8	1640	Population for whom poverty status is determined: Total
209	P087002	Num	8	1648	Population for whom poverty status is determined: Income in 1999 below poverty level
210	H005001	Num	8	1656	Housing units: Total
211	H007001	Num	8	1664	Occupied housing units: Total
212	H007002	Num	8	1672	Occupied housing units: Owner occupied
213	H008001	Num	8	1680	Vacant housing units: Total
214	P053001	Num	8	1688	Households: Median household income in 1999
215	P077001	Num	8	1696	Families: Median family income in 1999
216	areasqm	Num	8	1704	Area of 1990 tract in 1000 sq. meters
217	no_area	Num	3	3071	No land area available
218	totpop00	Num	8	1712	Total 2000 Population in tract
219	med99hh	Num	8	1720	Median household income in 1999 for tract
220	med99fam	Num	8	1728	Median family income in 1999 for tract
221	nonmove	Num	8	1736	Percent occupying same dwelling as in 1995 in tract
222	own_occ	Num	8	1744	Percent of occupied housing that is owner-occupied
223	owner00	Num	8	1752	Number of dwellings that are owner-occupied in tract
224	vacant	Num	8	1760	Percent of dwellings that are vacant in tract
225	occup00	Num	8	1768	Number of occupied housing units in tract
226	dwellings	Num	8	1776	Number of housing units in tract

227	mult_du	Num	8	1784	Percent of hhlds in multi-unit housing in tract
228	ncitizen	Num	8	1792	Percent pop non-citizens in population in tract
229	foreign	Num	8	1800	Percent pop foreign-born in tract
230	fb_90	Num	8	1808	Percent pop who are post-1990 immigrants in tract
231	fb_95	Num	8	1816	Percent pop who are post-1995 immigrants in tract
232	pctspnsh	Num	8	1824	Percent of adults who are Spanish speakers in tract
233	pcwhite00	Num	8	1832	Percent pop non-Hispanic white in tract
234	pcblack00	Num	8	1840	Percent pop non-Hispanic black in tract
235	pclatino00	Num	8	1848	Percent pop Hispanic-Latino in tract
236	pcapi00	Num	8	1856	Percent pop non-Hispanic Asian/pacific islander in tract
237	pcother00	Num	8	1864	Percent pop non-Hispanic other race/ethnic in tract
238	nf_hh	Num	8	1872	Percent non-family households in tract
239	hnhof00	Num	8	1880	Number of non-family households in occupied housing
240	pct_pov	Num	8	1888	Percent of individuals in poverty in tract
241	pop_0_4	Num	8	1896	Total population of children age 0-4 in tract
242	pop_0_17	Num	8	1904	Total population of children age 0-17 in tract
243	popul18	Num	8	1912	Percent pop under age 18 years
244	pubasst	Num	8	1920	Pct HH receiving public assistance
245	unemploy	Num	8	1928	Pct unemployed in civilian labor force
246	femunemp	Num	8	1936	Pct female unemployment civ labor force
247	maleunem	Num	8	1944	Pct male unemployment civ labor force
248	higheduc	Num	8	1952	Pct adults 25+ yrs with 13+ yrs school
249	execprof	Num	8	1960	Pct workers in exec/prof occupations
250	adltchld	Num	8	1968	Ratio of adults to children
251	pphh	Num	8	1976	Persons per occupied HH
252	elderly	Num	8	1984	Percent of population 65+ years

253	lang_oth	Num	8	1992	Pct adults non-English, non-Spanish speakers
254	pctengl	Num	8	2000	Pct adults English-only speakers
255	eng_vw	Num	8	2008	Pct adults speak English very well
256	fi_lt15k	Num	8	2016	Percent of families with income less than \$15K
257	fi_1524k	Num	8	2024	Percent of families with income \$15-24K
258	fi_gt75k	Num	8	2032	Percent of families with income \$75K and over
259	fi_5074k	Num	8	2040	Percent of families with income \$50-74K
260	fi_lt24k	Num	8	2048	Percent of families with income less than \$25K
261	fem_h_hh	Num	8	2056	Pct HHs headed by females with children
262	hhwk	Num	8	2064	Pct HHs with children
263	lndarea	Num	8	2072	Area of 1990 tract in square miles
264	density00	Num	8	2080	2000 pop density: people / square mile
265	pcnonwh	Num	8	2088	Pct. pop non-white and non-API
266	concdis	Num	8	2096	Tract conc. disadvantage factor
267	concaff	Num	8	2104	tract conc. affluence factor
268	concaff2	Num	8	2112	Tract alt. conc. affluence factor
269	highstat	Num	8	2120	Tract high-status residents factor
270	english	Num	8	2128	Tract English language factor
271	res_stab	Num	8	2136	Tract residential stability factor
272	imm_conc	Num	8	2144	Tract immigrant conc. factor
273	diversity	Num	8	2152	Tract racial/ethnic diversity
274	totpop00_c1	Num	8	2160	Total 2000 Population: contig 1
275	med99hh_c1	Num	8	2168	Median household income in 1999: contig 1
276	med99fam_c1	Num	8	2176	Median family income in 1999: contig 1
277	nonmove_c1	Num	8	2184	Percent occupying same dwelling as in 1995: contig 1
278	own_occ_c1	Num	8	2192	Percent of occupied housing that is owner-occupied: contig 1

279	owner00_c1	Num	8	2200	Number of dwellings that are owner-occupied: contig 1
280	vacant_c1	Num	8	2208	Percent of dwellings that are vacant: contig 1
281	occup00_c1	Num	8	2216	Number of occupied housing units: contig 1
282	dwellings_c1	Num	8	2224	Number of housing units: contig 1
283	mult_du_c1	Num	8	2232	Percent of hhlds in multi-unit housing: contig 1
284	ncitizen_c1	Num	8	2240	Percent pop non-citizens in population: contig 1
285	foreign_c1	Num	8	2248	Percent pop foreign-born: contig 1
286	fb_90_c1	Num	8	2256	Percent pop who are post-1990 immigrants: contig 1
287	fb_95_c1	Num	8	2264	Percent pop who are post-1995 immigrants: contig 1
288	pctspnsh_c1	Num	8	2272	Percent of adults who are Spanish speakers: contig 1
289	pcwhite00_c1	Num	8	2280	Percent pop non-Hispanic white: contig 1
290	pcblack00_c1	Num	8	2288	Percent pop non-Hispanic black: contig 1
291	pclatino00_c1	Num	8	2296	Percent pop Hispanic-Latino: contig 1
292	pcapi00_c1	Num	8	2304	Percent pop non-Hispanic Asian/pacific islander: contig 1
293	pcother00_c1	Num	8	2312	Percent pop non-Hispanic other race/ethnic: contig 1
294	nf_hh_c1	Num	8	2320	Percent non-family households in tract: contig 1
295	hnhof00_c1	Num	8	2328	Number of non-family households in occupied housing: contig 1
296	pct_pov_c1	Num	8	2336	Percent of individuals in poverty: contig 1
297	pop_0_4_c1	Num	8	2344	Total population of children age 0-4: contig 1
298	pop_0_17_c1	Num	8	2352	Total poplation of children age 0-17: contig 1
299	popul18_c1	Num	8	2360	Percent pop under age 18 years: contig 1
300	pubasst_c1	Num	8	2368	Pct HH receiving public assistance: contig 1
301	unemploy_c1	Num	8	2376	Pct unemployed in civilian labor force: contig 1
302	femunemp_c1	Num	8	2384	Pct female unemployment civ labor force: contig 1
303	maleunem_c1	Num	8	2392	Pct male unemployment civ labor force: contig 1
304	higheduc_c1	Num	8	2400	Pct adults 25+ yrs with 13+ yrs school: contig 1

305	execprof_c1	Num	8	2408	Pct workers in exec/prof occupations: contig 1
306	adltchld_c1	Num	8	2416	Ratio of adults to children: contig 1
307	pphh_c1	Num	8	2424	Persons per occupied HH: contig 1
308	elderly_c1	Num	8	2432	Percent of population 65+ years: contig 1
309	lang_oth_c1	Num	8	2440	Pct adults non-English, non-Spanish speakers: contig 1
310	pctengl_c1	Num	8	2448	Pct adults English-only speakers: contig 1
311	eng_vw_c1	Num	8	2456	Pct adults speak English very well: contig 1
312	fi_lt15k_c1	Num	8	2464	Percent of families with income less than \$15K: contig 1
313	fi_1524k_c1	Num	8	2472	Percent of families with income \$15-24K: contig 1
314	fi_gt75k_c1	Num	8	2480	Percent of families with income \$75K and over: contig 1
315	fi_5074k_c1	Num	8	2488	Percent of families with income \$50-74K: contig 1
316	fi_lt24k_c1	Num	8	2496	Percent of families with income less than \$25K: contig 1
317	fem_h_hh_c1	Num	8	2504	Pct HHs headed by females with children: contig 1
318	hhwk_c1	Num	8	2512	Pct HHs with children: contig 1
319	density00_c1	Num	8	2520	2000 pop density: people / square mile: contig 1
320	pcnonwh_c1	Num	8	2528	Pct. pop non-white and non-api: contig 1
321	concdis_c1	Num	8	2536	Tract conc. disadvantage factor: contig 1
322	concaff_c1	Num	8	2544	tract conc. affluence factor: contig 1
323	concaff2_c1	Num	8	2552	Tract alt. conc. affluence factor: contig 1
324	highstat_c1	Num	8	2560	Tract high-status residents factor: contig 1
325	english_c1	Num	8	2568	Tract English language factor: contig 1
326	res_stab_c1	Num	8	2576	Tract residential stability factor: contig 1
327	imm_conc_c1	Num	8	2584	Tract immigrant conc. factor: contig 1
328	diversity_c1	Num	8	2592	Tract racial/ethnic diversity: contig 1
329	totpop00_c2	Num	8	2600	Total 2000 Population: contig 2
330	med99hh_c2	Num	8	2608	Median household income in 1999: contig 2

331	med99fam_c2	Num	8	2616	Median family income in 1999: contig 2
332	nonmove_c2	Num	8	2624	Percent occupying same dwelling as in 1995: contig 2
333	own_occ_c2	Num	8	2632	Percent of occupied housing that is owner-occupied: contig 2
334	owner00_c2	Num	8	2640	Number of dwellings that are owner-occupied: contig 2
335	vacant_c2	Num	8	2648	Percent of dwellings that are vacant: contig 2
336	occup00_c2	Num	8	2656	Number of occupied housing units: contig 2
337	dwellings_c2	Num	8	2664	Number of housing units: contig 2
338	mult_du_c2	Num	8	2672	Percent of hhlds in multi-unit housing: contig 2
339	ncitizen_c2	Num	8	2680	Percent pop non-citizens in population: contig 2
340	foreign_c2	Num	8	2688	Percent pop foreign-born: contig 2
341	fb_90_c2	Num	8	2696	Percent pop who are post-1990 immigrants: contig 2
342	fb_95_c2	Num	8	2704	Percent pop who are post-1995 immigrants: contig 2
343	pctspnsh_c2	Num	8	2712	Percent of adults who are Spanish speakers: contig 2
344	pcwhite00_c2	Num	8	2720	Percent pop non-Hispanic white: contig 2
345	pcblack00_c2	Num	8	2728	Percent pop non-Hispanic black: contig 2
346	pclatino00_c2	Num	8	2736	Percent pop Hispanic-Latino: contig 2
347	pcapi00_c2	Num	8	2744	Percent pop non-Hispanic Asian/pacific islander: contig 2
348	pcother00_c2	Num	8	2752	Percent pop non-Hispanic other race/ethnic: contig 2
349	nf_hh_c2	Num	8	2760	Percent non-family households in tract: contig 2
350	hhnof00_c2	Num	8	2768	Number of non-family households in occupied housing: contig 2
351	pct_pov_c2	Num	8	2776	Percent of individuals in poverty: contig 2
352	pop_0_4_c2	Num	8	2784	Total population of children age 0-4: contig 2
353	pop_0_17_c2	Num	8	2792	Total population of children age 0-17: contig 2
354	popul18_c2	Num	8	2800	Percent pop under age 18 years: contig 2
355	pubasst_c2	Num	8	2808	Pct HH receiving public assistance: contig 2
356	unemploy_c2	Num	8	2816	Pct unemployed in civilian labor force: contig 2

357	femunemp_c2	Num	8	2824	Pct female unemployment civ labor force: contig 2
358	maleunem_c2	Num	8	2832	Pct male unemployment civ labor force: contig 2
359	higheduc_c2	Num	8	2840	Pct adults 25+ yrs with 13+ yrs school: contig 2
360	execprof_c2	Num	8	2848	Pct workers in exec/prof occupations: contig 2
361	adltchld_c2	Num	8	2856	Ratio of adults to children: contig 2
362	pphh_c2	Num	8	2864	Persons per occupied HH: contig 2
363	elderly_c2	Num	8	2872	Percent of population 65+ years: contig 2
364	lang_oth_c2	Num	8	2880	Pct adults non-English, non-Spanish speakers: contig 2
365	pctengl_c2	Num	8	2888	Pct adults English-only speakers: contig 2
366	eng_vw_c2	Num	8	2896	Pct adults speak English very well: contig 2
367	fi_lt15k_c2	Num	8	2904	Percent of families with income less than \$15K: contig 2
368	fi_1524k_c2	Num	8	2912	Percent of families with income \$15-24K: contig 2
369	fi_gt75k_c2	Num	8	2920	Percent of families with income \$75K and over: contig 2
370	fi_5074k_c2	Num	8	2928	Percent of families with income \$50-74K: contig 2
371	fi_lt24k_c2	Num	8	2936	Percent of families with income less than \$25K: contig 2
372	fem_h_hh_c2	Num	8	2944	Pct HHs headed by females with children: contig 2
373	hhwk_c2	Num	8	2952	Pct HHs with children: contig 2
374	density00_c2	Num	8	2960	2000 pop density: people / square mile: contig 2
375	pcnonwh_c2	Num	8	2968	Pct. pop non-white and non-api: contig 2
376	concdis_c2	Num	8	2976	Tract conc. disadvantage factor: contig 2
377	concaff_c2	Num	8	2984	tract conc. affluence factor: contig 2
378	concaff2_c2	Num	8	2992	Tract alt. conc. affluence factor: contig 2
379	highstat_c2	Num	8	3000	Tract high-status residents factor: contig 2
380	english_c2	Num	8	3008	Tract English language factor: contig 2
381	res_stab_c2	Num	8	3016	Tract residential stability factor: contig 2
382	imm_conc_c2	Num	8	3024	Tract immigrant conc. factor: contig 2

383 diversity_c2 Num 8 3032 Tract racial/ethnic diversity: contig 2
384 CTRACT Char 7 3064 1990 CENSUS TRACT: xxxx.xx format