

USER'S GUIDE

Ethington, Kooistra, and DeYoung

Los Angeles County Union Census Tract Data Series, 1940-1990

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Version 1.01

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Introduction:

Ethington, Kooistra and DeYoung, Los Angeles County Union Census Tract Data Series, 1940-1990 was created with the support of a grant from the John Randolph Haynes and Dora Haynes Foundation. It is published and distributed by the University of Southern California to facilitate a wide range of research on the development and condition of Los Angeles County. Los Angeles County, the largest county in the United States, is of great interest to researchers from all disciplines of the human and natural sciences. Until now, no uniform census data were available to chart the development of this important metropolitan region through the period of its most important changes and critical decades. This data set is organized with the goal of providing maximum uniformity and comparability across all census years and census geographies. It includes aggregate data describing the characteristics of U.S. Census Tracts for race-ethnicity, occupation, education, housing, age and median household income, house value, and rent. It was assembled from two principal sources: 1) the print-published US Census tables for the years 1940, 1950 and 1960, and 2) the digitally distributed "Correspondence" data files created by the California State Department of Finance for the years 1970, 1980, and 1990. All data have been proportionally aggregated to fit the 1990 census tract geography. The boundary data are provided in ESRI's ArcView© shapefile format, and the numeric data are provided in the standard dBase© spreadsheet data file format (.dbf).

Citation and Use:

No fee is charged for the use of these data, and no fee may be charged for use or distribution. Publications and reports based on the data set must site it properly. The citation must include the following:

Philip J. Ethington, Anne Marie Kooistra, and Edward DeYoung, Los Angeles County Union Census Tract Data Series, 1940-1990, Version 1.01. Created with the support of the John Randolph Haynes and Dora Haynes Foundation. (Los Angeles: University of Southern California, 2000).

In addition, we request that users send us a copy of any publications, research reports, or educational material making use of the data or documentation. Printed matter should be sent to:

Philip J. Ethington

Department of History

University of Southern California

Los Angeles, CA 90089-0034

Electronic material or URLs for web sites should be sent to:

philipje@usc.edu

Documentation:

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All available documentation for these data are included in this User's Guide document. No further support is available, but improved releases are planned, and users are invited send comments to the Principal Investigator, Philip J. Ethington, at philipje@usc.edu.

Format:

Ethington, Kooistra and DeYoung, Los Angeles County Union Census Tract Data Series, 1940-1990, Version 1.0, consists of a single table of 1,656 records (rows) and 252 variables (columns). The main data table, called **la4090v101.dbf** is in dBase IV © format and may be converted to any other format for quantitative analyses. The data set also includes the associated ArcView © shapefile to utilize these data in a Geographic Information System (GIS). These files must be kept together. They are called **la4090v101.sbn**, **la4090v101.sbx**, **la4090v101.shp**, and **la4090v101.shx**. ArcView © uses the **la4090v101.dbf** file as its "attribute table." Care should be taken when altering this file so that the shapefile continues to function with it. We recommend copying and renaming the main data file before beginning alterations.

Missing Data:

Missing data are only certain as such if the cell is empty. Users must beware of vestigial sources of missing data, however, in the form of zero values. These are most likely to occur in the "median value" variables. Data were taken directly from the sources listed below. If the source reported zero, we collected that value, even though a zero median home value might be highly unlikely. Users must use their own judgement as to when and whether to code these zeroes as missing. Users must also beware of the blank cells when converting these data to other formats, because some software does not support empty cells.

Universe:

The data in **la4090v101.dbf** were prepared over the course of a four-year project, with the goal of assembling consistently comparable data from each of the six census years, 1940, 1950, 1960, 1970, 1980, and 1990. It is also intended that these data can be expanded backwards and forwards in time. Due to resource limitations, not all available tract-level data could be collected. The uniform method of collecting these data, however, make it possible to augment the data, so long as additions can be aggregated by census tracts. Further, not all variables are available in all census years. A core set of "union" variables,

describing race-ethnicity, occupation, education, and median home rent and value information are available across all census years. In general, there are more variables describing occupations in the 1940-1960 years, and more variables describing median income, age, and marital characteristics in the 1970-1990 years.

The table below lists the variables by their generic variable names, and shows which are available for each year.

Sources:

The data in this data set were drawn from the following sources:

U.S. Bureau of the Census, Sixteenth Census of the United States: Population and Housing Statistics for Census Tracts. Los Angeles-Long Beach, California. (Wash, DC: GPO, 1942).

U.S. Bureau of the Census, U.S. Census of Population: 1950 Vol. III, Census Tract Statistics, Chapter 28 Los Angeles California and Adjacent Area Selected Population and Housing Characteristics (Wash, DC: US GPO, 1952).

U.S. Bureau of the Census, U.S. Censuses of Population and Housing: 1960 Census Tracts Final Report PH(1)082 Los Angeles-Long Beach, California. Standard Metropolitan Statistical Area (Wash, DC: US GPO, 1962).

State of California, Department of Finance 1970-1980-1990 Correspondence Data Series (Sacramento: California State Census Data Center, 915 L. Street, Lower level, Sacramento, California, 95814, 1996).

Methods:

The unique feature of the Ethington, Kooistra and DeYoung, Los Angeles County Union Census Tract Data Series, 1940-1990 is that all data can be studied according to a common geography for every year, from 1940 through 1990. In order to achieve this uniformity, all data were fitted to the geography of the 1990 census tracts. Census data for the years 1940, 1950, and 1960 were originally collected and stored in GIS shapefiles according to the census tract boundaries of those years. The 1970 1980 and 1990 data had already been fitted to the 1990 tracts by the California State Department of Finance (see specific methods below). We performed the fitting operation on the 1940, 1950, and 1960 data by imposing the 1990 tract boundaries on top of the boundaries for each of those years, and, using the "Union" function in ArcInfo ©, calculated a proportional distribution of data into the 1990 tracts. Obviously, certain assumptions and drawbacks are involved in this method. For the most part, census tracts in earlier years were geographically larger than those in following years. Thus, a 1940 tract with 1000 persons might have been split the Census Bureau into two or more tracts in 1950, to reflect growing population, again in 1960, and so on through 1990. Those original 1000 persons are assumed by our method to be spread uniformly across the space of the 1940 tract, and to land proportionally, by area, in the 1990 tracts that overlay that 1940 tract. Thus, assume that hypothetical 1940 Tract A was split over the years into five 1990 tracts, called Tract V, W, X, Y, and Z. Tract A was 100 square kilometers. 1990 Tract V lies completely within 1940 Tract A, and is 25 square kilometers. 1990 Tract W also lies completely within 1940 Tract A, and is 30 square kilometers. 1990 Tract X, Y, and Z lie both inside and outside of 1940 Tract A, however. Only 2% 1990 Tract X lies within 1940 Tract A (call that 2 square kilometers), 50% of Tract Y lies within 1940 Tract A (call that 30 square kilometers), and 80% of 1990 Tract Z lies within 1940 Tract A. The following person counts would have been assigned to the 1990 tracts: V=250; W=300; X=20; Y=300; Z=130. Note that 1990 Tracts X, Y, and Z will also pick up data assigned from the other 1940 tracts they overlap.

The 1970 and 1980 data were fitted to the 1990 census tracts by a different method. Below we have reproduced verbatim the State Department of Finance's description of its method:

" The 1970 – 80 – 90 database was created to simplify thematic mapping of historical California data for the years 1970, 1980 & 1990. The data for all three years are assigned to 1990 census tracts. Census geography has changed since 1970 making the process of relating 1970/1980 data to 1990 census tracts more difficult. The result of this effort, however, eliminates much of the difficulty and allows the user to easily compare census tract data between 1970 and 1990. The data, as assigned to 1990 census tracts, will accurately depict the demographic and economic changes for this period.

To help the user of this file better understand the relationship of 1990 census tracts and the 1970/1980 geography, a correspondence file is available that indicates how the 1970-1980 data were assigned to 1990 census tracts. If the user wanted to produce a tabular report of the data for 1970 or 1980, beware of the fact that the data cannot be considered OFFICIAL U.S. Census Bureau data or California Department of Finance data.

There are seven possible types of geographical changes between 1970 and 1990:

1. A census tract existed in 1970 and has not been subdivided:

1970	1980	1990
0001	0001	0001

The actual data appears for this tract in each year.

1. A census tract existed in 1970 and was subdivided in 1980:

1970	1980	1990
0001	0001.01	0001.01
0001	0001.02	0001.02

2. A census tract existed in 1970 and was subdivided in 1980 and 1990:

1970	1980	1990
0001	0001.01	0001.11
0001	0001.01	0001.12

0001	0001.02	0001.21
0001	0001.02	0001.22

The actual data appears for these tracts in 1990 only. The 1980 data were assigned to the 1990 tracts based upon the population split of the 1990 tracts. The 1970 data was assigned to the four 1990 census tracts based upon the population split of the two subdivided 1980 tracts. The 1982 and 1970 medians are assigned without change.

3. A census tract existed in 1970 and was subdivided in 1990:

1970	1980	1990
0001	0001	0001.01
0001	0001	0001.02
0001	0001	0001.03

The actual data appears for this tract in 1990 only. The 1980 and 1970 data were assigned to the three 1990 tracts based upon the population split of the three 1990 tracts. The 1980 and 1970 medians are assigned without change.

4. A census tract existed in 1970 and was merged with another tract in 1990:

1970	1980	1990
0001.01	0001.01	0001
0001.02	0001.02	0001

In this situation the 1970 and 1980 data are aggregated and the medians are re-calculated.

5. Actual adjustments (other than subdivision) were made to a census tract boundary in 1980 and/or 1990. In these situations the boundary adjustments have been ignored. The assumption is that these changes are insignificant in respect to thematic mapping purposes and do not distract from interpreting change between 1970 and 1990 in a particular geographic area. Users must be cautioned that the boundaries in this file accurately describe 1990 census tract areas BUT may not accurately describe 1980 or 1970 census tract areas.
6. Census tracts did not exist in 1970 and/or 1980. In this situation Enumeration districts (Eds) or Census County Divisions (CCDs) were matched to 1990 tracts according to the following steps:

Step one. Determine all census county divisions (CCDs) that match directly with 1990 tracts. For the remaining areas go to step two.

Step two. Determine enumeration districts (one or more) that match directly with 1990 tracts. For the remaining areas go to step three.

Step three. Determine enumeration districts (one or more) that closely match with 1990 tracts. For the remaining areas go to step four.

Step four. Using CCDs as a geographical control, match 1970/1980 enumeration districts to 1990 census tracts based upon median family income and the percent non-white population."

Data Dictionary

Below is a table with short descriptions of all variables. The "YY" in variable names stands for the census year: "40" (or 50, 60, etc) will appear in place of the YY in the variable containing the 1940 (or 1950, 1960, etc) data for that variable, if available.

This table is [hyperlinked to the detailed data descriptions for each variable](#). Users are strongly recommended to read the extended descriptions carefully before analyzing these data.

Ethington, Kooistra, and DeYoung

LOS ANGELES COUNTY UNIFIED CENSUS DATA SERIES, 1940-1990

(Shaded variables indicate consistent availability for all years)

VARIABLE NAMES		SHORT DESCRIPTION	AVAILABILITY					
VARIABLES	SUBTOTAL VARIABLES		(X=YES)					
CTBNA		CENSUS TRACT NUMBER	X	X	X	X	X	X
PYYT		POPULATION TOTAL	X	X	X	X	X	X
	PYYWNH	POPULATION WHITE NON HISPANIC	X	X	X	X	X	X
	PYYBNH	POPULATION BLACK NON HISPANIC	X	X	X	X	X	X
	PYYONH	POPULATION OTHER NON HISPANIC	X	X	X	X	X	X
	PYYHIS	POPULATION HISPANIC	X	X	X	X	X	X
PYYTW		POPULATION TOTAL WHITE	X	X	X	no	no	no
	PYYNATW	POPULATION NATIVE WHITE	X	X	no	no	no	no
	PYYFBW	POPULATION FOREIGN-BORN WHITE	X	X	no	no	no	no
PYYTOTNW		POPULATION TOTAL NON-WHITE	X	X	X	no	no	no
	PYYB	POPULATION BLACK, NON-WHITE	X	X	X	no	no	no

	PYYNBW	POPULATION OTHER NON-WHITE	X	X	X	no	no	no
PYYST		POPULATION TOTAL WITH SPANISH SURNAMES	no	X	X	no	no	no
	PYYSSN	POPULATION NATIVE WITH SPANISH SURNAMES	no	X	X	no	no	no
	PYYSSFB	POPULATION FOREIGN-BORN WITH SPANISH SURNAMES	no	X	X	no	no	no
PYYMEX		POPULATION BORN IN MEXICO	X	X	X	no	no	no
PYYCSA		POPULATION BORN IN CENTRAL OR SOUTH AMERICA	X	X	no	no	no	no
EYYH		EDUCATION COMPLETED HIGH SCHOOL	X	X	X	X	X	X
EYYC		EDUCATION COMPLETED COLLEGE	X	X	X	X	X	X
OYYWC		OCCUPATION WHITE COLLAR	X	X	X	X	X	X
OYYBC		OCCUPATION BLUE COLLAR	X	X	X	X	X	X
OYY01		OCCUPATION WAGE WORKERS TOTAL	X	X	X	no	no	no
	OYY01M	OCCUPATION WAGE WORKERS MALE	no	X	no	no	no	no
	OYY01F	OCCUPATION WAGE WORKERS FEMALE	no	X	no	no	no	no
OYY02		OCCUPATION GOVERNMENT WORKERS TOTAL	X	X	X	no	no	no
	OYY02M	OCCUPATION GOVERNMENT WORKERS MALE	no	X	no	no	no	no
	OYY02F	OCCUPATION GOVERNMENT WORKERS FEMALE	no	X	no	no	no	no
OYY03		OCCUPATION SELF-EMPLOYED TOTAL	X	X	X	no	no	no
	OYY03M	OCCUPATION SELF-EMPLOYED MALE	no	X	no	no	no	no
	OYY03F	OCCUPATION SELF-EMPLOYED FEMALE	no	X	no	no	no	no
OYY04		OCCUPATION UNPAID FAMILY TOTAL	X	X	X	no	no	no
	OYY04M	OCCUPATION UNPAID FAMILY MALE	no	X	no	no	no	no
	OYY04F	OCCUPATION UNPAID FAMILY FEMALE	no	X	no	no	no	no
OYY05		OCCUPATION PROFESSIONAL TOTAL	X	X	X	no	no	no
	OYY05PRM	OCCUPATION PROFESSIONAL MALE	no	X	X	no	no	no
	OYY05PRF	OCCUPATION PROFESSIONAL FEMALE	no	X	X	no	no	no
	OYY05SPS	OCCUPATION SEMI-PROFESSIONAL SUBTOTAL	X	no	no	no	no	no
	OYY05PRS	OCCUPATION PROFESSIONAL SUBTOTAL	X	no	no	no	no	no
OYY06		OCCUPATION MANAGER TOTAL	X	X	X	no	no	no
	OYY06M	OCCUPATION MANAGER MALE	no	X	X	no	no	no
	OYY06F	OCCUPATION MANAGER FEMALE	no	X	X	no	no	no

VARIABLE NAMES	AVAILABILITY (X=YES)

VARIABLES	SUBTOTAL VARIABLES	SHORT DESCRIPTION	1940	1950	1960	1970	1980	1990
OYY07		OCCUPATION CLERICAL/SALES TOTAL	X	X	X	no	no	no
	OYY07CLM	OCCUPATION CLERICAL MALE	no	X	X	no	no	no
	OYY07CLF	OCCUPATION CLERICAL FEMALE	no	X	X	no	no	no
	OYY07SLM	OCCUPATION SALES MALE	no	X	X	no	no	no
	OYY07SLF	OCCUPATION SALES FEMALE	no	X	X	no	no	no
OYY08		OCCUPATION CRAFT TOTAL	X	X	X	no	no	no
	OYY08M	OCCUPATION CRAFT MALE	no	X	X	no	no	no
	OYY08F	OCCUPATION CRAFT FEMALE	no	X	X	no	no	no
OYY09		OCCUPATION OPERATIVES TOTAL	X	X	X	no	no	no
	OYY09M	OCCUPATION OPERATIVES MALE	no	X	X	no	no	no
	OYY09F	OCCUPATION OPERATIVES FEMALE	no	X	X	no	no	no
OYY10		OCCUPATION DOMESTIC TOTAL	X	X	X	no	no	no
	OYY10M	OCCUPATION DOMESTIC MALE	no	X	X	no	no	no
	OYY10F	OCCUPATION DOMESTIC FEMALE	no	X	X	no	no	no
OYY11		OCCUPATION SERVICE TOTAL	X	X	X	no	no	no
	OYY11M	OCCUPATION SERVICE MALE	no	X	X	no	no	no
	OYY11F	OCCUPATION SERVICE FEMALE	no	X	X	no	no	no
OYY12		OCCUPATION LABORERS TOTAL	X	X	X	no	no	no
	OYY12M	OCCUPATION LABORERS MALE	no	X	X	no	no	no
	OYY12F	OCCUPATION LABORERS FEMALE	no	X	X	no	no	no
OYY13		OCCUPATION NOT REPORTED TOTAL	X	X	X	no	no	no
	OYY13M	OCCUPATION NOT REPORTED MALE	no	X	X	no	no	no
	OYY13F	OCCUPATION NOT REPORTED FEMALE	no	X	X	no	no	no
HYYTOT		HOUSING TOTAL UNITS	X	X	X	X	X	X
	HYYNWT	HOUSING NONWHITE UNITS	X	X	X	no	no	no
HYYOWN		HOUSING TOTAL OWNER OCCUPIED UNITS	X	X	X	no	no	no
	HYYNWO	HOUSING NONWHITE OWNER OCCUPIED UNITS	X	X	X	no	no	no
HYYRNT		HOUSING TOTAL RENTER OCCUPIED UNITS	X	X	X	no	no	no
	HYYWRN	HOUSING WHITE RENTER OCCUPIED UNITS	X	no	no	no	no	no
	HYYNRN	HOUSING NONWHITE RENTER OCCUPIED UNITS	X	X	X	no	no	no
HYMMVL		HOUSING MEDIAN VALUE OF UNIT	X	X	X	X	X	X
HYMMRN		HOUSING MEDIAN RENT OF UNIT	X	X	X	X	X	X
INCYYMED		MEDIAN FAMILY/HOUSEHOLD INCOME	no	no	no	X	X	X
RYYSHYY		RESIDENCE IN YY SAME HOUSE AS FIVE YEARS PREVIOUS	no	no	no	X	X	X

RYYSCYY		RESIDENCE IN YY SAME COUNTY AS FIVE YEARS PREVIOUS	no	no	no	X	X	X
RYYOTYY		RESIDENCE IN YY OTHER LOCATION THAN SAME HOUSE OR SAME COUNTY, AS FIVE YEARS PREVIOUS	no	no	no	X	X	X

VARIABLE NAMES		SHORT DESCRIPTION	AVAILABILITY (X=YES)					
VARIABLES	SUBTOTAL VARIABLES		1940	1950	1960	1970	1980	1990
AYY0004		PERSONS AGED 0-4 YEARS	no	no	no	X	X	X
AYY0517		PERSONS AGED 5-17 YEARS	no	no	no	X	X	X
AYY1864		PERSONS AGED 18-64 YEARS	no	no	no	X	X	X
AYY65UP		PERSONS AGED 65 YEARS AND UP	no	no	no	X	X	X
AYYMEDN		AGE MEDIAN WITHIN CENSUS TRACT	no	no	no	X	X	X
MYYSINGL		PERSONS OF MARITAL STATUS SINGLE	no	no	no	X	X	X
MYYMAR		PERSONS OF MARITAL STATUS MARRIED	no	no	no	X	X	X
MYYOTH		PERSONS OF MARITAL STATUS OTHER	no	no	no	X	X	X

Extended Variable Descriptions

(Note: Hyperlinks are not operable in this portion of the document)

NAME	AYY0004					
SHORT DESCRIPTION	Persons aged 0 to 4 years.					
AVAILABILITY	1940	1950	1960	1970	1980	1990
	no	no	no	A700004	A800004	A900004
SOURCE: CSDF, 1970-1990.						

FULL DESCRIPTION: Persons aged 0 to 4 years. See also AYY0517, AYY1864, AYY65UP, AYYMEDN.

<i>NAME</i>	AYY0517					
<i>SHORT DESCRIPTION</i>	Persons aged 5 to 17 years.					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	no	no	no	A705017	A805017	A905017
<i>SOURCE:</i> CSDF, 1970-1990.						
<i>FULL DESCRIPTION:</i> Persons aged 5 to 17 years. See also AYY0004, AYY1864, AYY65UP, AYYMEDN.						

<i>NAME</i>	AYY1864					
<i>SHORT DESCRIPTION</i>	Persons aged 18 to 64 years.					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	no	no	no	A701864	A801864	A901864
<i>SOURCE:</i> CSDF, 1970-1990.						
<i>FULL DESCRIPTION:</i> Persons aged 18 to 64 years. See also AYY0004, AYY0517, AYY65UP, AYYMEDN.						

<i>NAME</i>	AYY65UP					
<i>SHORT DESCRIPTION</i>	Persons aged 65 years and older.					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	no	no	no	A7065UP	A8065UP	A9065UP
<i>SOURCE: CSDF, 1970-1990.</i>						
<i>FULL DESCRIPTION:</i> Persons aged 65 years and older. See also AYY0004, AYY0517, AYY1864, AYYMEDN.						

<i>NAME</i>	AYYMEDN					
<i>SHORT DESCRIPTION</i>	Median age within census tract.					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	no	no	no	A70MEDN	A80MEDN	A90MEDN
<i>SOURCE: CSDF, 1970-1990.</i>						
<i>FULL DESCRIPTION:</i> Median age within census tract. See also AYY0004, AYY0517, AYY1864, AYY65UP.						

<i>NAME</i>	CTBNA
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<i>SHORT DESCRIPTION</i>	Census Tract					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	CTBNA	CTBNA	CTBNA	CTBNA	CTBNA	CTBNA
<p><i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960; CSDF, 1970-1990.</i></p> <p><i>FULL DESCRIPTION:</i> Census Tracts are the basic geographic unit used by the US Census Bureau for the collection of data. The population size is supposed to remain uniform, at around 4,000 persons--although the total population per tract varies considerably. The attempt to maintain this uniform size explains the changing census boundaries from decade to decade. In general, census tracts from previous years are either left the same--if population size does not change considerably, or subdivided--if population size increases considerably. In practice, census tracts may be far larger or far smaller than the norm. Whereas the 1940 and 1950 tracts were listed simply by ascending numerical order, the 1960 tracts were listed within the separate headings of city and "Balance of Los Angeles County." Thus, while some 1960 tracts are listed only once, within a city or the county, others are split. Tract 5343 is listed three times: under the headings of Huntington Park, Southgate, and Balance of Los Angeles County. Split tracts such as these three were added back together in the present data set. The 1970, 1980, and 1990 tracts were not split in this manner. See description of State Department of Finance Correspondence Data elsewhere in this User's Guide. CTBNA is the "key" or "join" variable linking all other variables in this data set.</p>						

<i>NAME</i>	EYYC					
<i>SHORT DESCRIPTION</i>	Persons who have completed college.					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	E40C	E50C	E60C	E70C	E80C	E90C

SOURCE: Ethington, Kooistra and DeYoung, 1940-1960; CSDF, 1970-1990.

FULL DESCRIPTION: For years 1940, 1950, and 1960, EYYH is number of persons 25 years and older who reported that the last full grade that the person had completed in the regular school system—public, private, or parochial school, college, or university—was four or more years of college. For years 1970, 1980, and 1990, the CSDF codebook does not indicate the age of the respondent, but the criteria are presumably the same.

NAME		EYYH				
SHORT DESCRIPTION		Persons who have completed high school.				
AVAILABILITY	1940	1950	1960	1970	1980	1990
	E40H	E50H	E60H	E70H	E80H	E90H
<p><i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960; CSDF, 1970-1990.</i></p> <p><i>FULL DESCRIPTION:</i> For years 1940, 1950, and 1960, EYYH is number of persons 25 years and older who reported that the last full grade that the person had completed in the regular school system—public, private, or parochial school, college, or university—was four years of high school. For years 1970, 1980, and 1990, the CSDF codebook does not indicate the age of the respondent, but the criteria are presumably the same.</p>						

NAME		HYMRN				
SHORT DESCRIPTION		Median rent of dwelling/housing units.				
AVAILABILITY	1940	1950	1960	1970	1980	1990

	H40MRN	H50MRN	H60MRN	H70MRN	H80MRN	H90MRN
<p><i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960; CSDF, 1970-1990.</i></p>						
<p><i>FULL DESCRIPTION:</i> Indicates the median rent paid for dwelling/housing units within a census tract. This value is based on the figure reported for contract monthly rent--a figure which includes the estimated rent of the dwelling/housing unit regardless of whether it included furniture, heating fuel, electricity, cooking fuel, water, or personal services. See also variables HYYTOT, HYVMVL, and INCYYMED. Warning: these dollar values are not adjusted for inflation.</p>						

<i>NAME</i>	HYVMVL					
<i>SHORT DESCRIPTION</i>	Median value of dwelling/housing units.					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	H40MVL	H50MVL	H60MVL	H70MVL	H80MVL	H90MVL
<p><i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960; CSDF, 1970-1990.</i></p>						
<p><i>FULL DESCRIPTION:</i> Indicates the median value of dwelling/housing units within a census tract. The median value is defined as that value which divides the whole number of dwelling/housing units into two equal groups: one having values higher than the median, and one having lower values than the median. In 1940, the median value was based on the estimated current market value of the home. In 1950, the median value was based "on the amount for which the owner estimates that the property, including such land as belongs with it, would sell under ordinary conditions." In 1960, the median value is calculated only for owner-occupied units having only one housing unit in the property and no business. See also variables HYYTOT and HYVMRN. Warning: these dollar values are not adjusted for inflation.</p>						

NAME		HYYNRN				
SHORT DESCRIPTION		Total number of dwelling/housing units occupied by non-white renters. (Subtotal variable).				
AVAILABILITY	1940	1950	1960	1970	1980	1990
	H40NRN	H50NRN	H60NRN	no	no	no
SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.						
<p>FULL DESCRIPTION: Indicates the number of dwelling/housing units within a census tract occupied by non-white renters.</p> <p>Note that renter is a residual category, including all those dwelling/housing units households not counted as "owners" according to the definitions in HYYOWN. See also HYYTOT. This variable is a subtotal of HYYRNT.</p>						

NAME		HYYNWO				
SHORT DESCRIPTION		Total number of dwelling/housing units occupied by non-white owners. (Subtotal variable).				
AVAILABILITY	1940	1950	1960	1970	1980	1990
	H40NWO	H50NWO	H60NWO	no	no	no
SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.						
<p>FULL DESCRIPTION: Indicates the number of dwelling/housing units within a census tract occupied by non-white owners of those dwelling/housing units. See also HYYTOT. This variable is a subtotal of HYYOWN.</p>						

NAME	HYYNWT

<i>SHORT DESCRIPTION</i>		Total number of nonwhite housing units. (Subtotal variable).				
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	H40NWT	H50NWT	H60NWT	no	no	no
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i>						
<i>FULL DESCRIPTION:</i> Indicates the number of dwelling/housing units within a census tract either owned or rented by nonwhite residents. This variable is a subtotal of HYYTOT.						

<i>NAME</i>	HYYOWN					
<i>SHORT DESCRIPTION</i>		Total number of dwelling/housing units occupied by the owners of those units.				
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	H40OWN	H50OWN	H60OWN	no	no	no
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i>						
<i>FULL DESCRIPTION:</i> Indicates the number of dwelling/housing units within a census tract occupied by owners of those dwelling/housing units, regardless of race. In 1940 a dwelling unit was classified as occupied "if occupied at the time of enumeration by households enumerated at their usual place of residence." In 1950, a dwelling unit was classified as owner-occupied if it was "owned wholly or in part by the head of the household or some related member of his family living in the dwelling unit." The 1960 introduction further specifies that a housing unit was listed as owner-occupied if "the owner or co-owner lives in the unit, even if it is mortgaged or not fully paid for." See also HYYTOT.						

NAME		HYYRNT				
SHORT DESCRIPTION		Total number of dwelling/housing units occupied by renters.				
AVAILABILITY	1940	1950	1960	1970	1980	1990
	H40RNT	H50RNT	H60RNT	no	no	no
SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.						
FULL DESCRIPTION: Indicates the number of dwelling/housing units within a census tract occupied by renters, regardless of race. Renter is a residual category, including all those dwelling/housing units households not counted as "owners" according to the definitions in HYYOWN. See also HYYTOT.						

NAME		HYYTOT				
SHORT DESCRIPTION		Total number of dwelling/housing units.				
AVAILABILITY	1940	1950	1960	1970	1980	1990
	H40TOT	H50TOT	H60TOT	H70TOT	H80TOT	H90TOT
SOURCE: Ethington, Kooistra and DeYoung, 1940-1960; CSDF 1970-1990.						
FULL DESCRIPTION: Indicates the number of dwelling/housing units within a census tract regardless of ownership or occupancy. In 1940, a dwelling unit was defined a "the living quarters occupied by, or intended for occupancy by, one household. A dwelling unit may be a detached house; a tenement, flat, or apartment in a larger building (apartment house, apartment hotel, or section of a hotel devoted entirely to apartment rather than transient use); or a room in a structure used primarily for business or other nonresidential purposes. It may be a tourist cabin, trailer, railroad car, boat, etc., if occupied by persons having no other place of residence." In 1950, a dwelling unit is defined as "a group of rooms or a single room, occupied, or intended for occupancy, as separate living quarters by a family or other group of persons living together or by a person living alone." In 1960, the term "dwelling						

unit" was replaced with the term "housing unit," which was defined as "a house, an apartment or other group of rooms, or a single room occupied or intended for occupancy as separate living quarters, that is, when the occupants do not live and eat with any other persons in the structure and there is either (1) direct access from the outside or through a common hall or (2) a kitchen or cooking equipment for the exclusive use of the occupants of the units." The 1960 introduction goes on to contrast the main difference between 1950 dwelling units and 1960 housing units as follows: "In 1960, *separate* living quarters consisted of one room with direct access but without separate cooking equipment qualify as a housing unit if occupied by a person whose usual residence is the hotel or a person who has no usual residence elsewhere. In 1950, a one-room unit without cooking equipment qualified as a dwelling unit only when located in a regular apartment house or when the room constituted the only living quarter in the structure." The California State Department of Finance does not provide detailed definitions for the 1970-1990 years, but we assume the housing unit definition remained consistent with the 1960 refinement. See also variables HYYNWT, HYYOWN, HYYNWO, HYYRNT, HYYWRN, HYYNRN, HYYMVL, HYYMRN.

NAME		HYYWRN				
SHORT DESCRIPTION		Total number of dwelling/housing units occupied by white renters. (Subtotal variable).				
AVAILABILITY	1940	1950	1960	1970	1980	1990
	H40WRN	H50WRN	H60WRN	no	no	no
SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.						
<p>FULL DESCRIPTION: Indicates the number of dwelling/housing units within a census tract occupied by white renters.</p> <p>Note that renter is a residual category, including all those dwelling/housing units households not counted as "owners" according to the definitions in HYYOWN. See also HYYTOT. This variable is a subtotal of HYYRNT.</p>						

<i>NAME</i>		INCYYMED				
<i>SHORT DESCRIPTION</i>		Median family/household income.				
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	no	no	no	INC70MED	INC80MED	INC90MED
<i>SOURCE: CSDF, 1970-1990.</i>						
<i>FULL DESCRIPTION:</i> Median family income in 1970. Median household income in 1980 and 1990. See also HYVMVL and HYVMRN. Warning: these dollar values are not adjusted for inflation.						

<i>NAME</i>		MYMAR				
<i>SHORT DESCRIPTION</i>		Persons of marital status married.				
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	no	no	no	M70MAR	M80MAR	M90MAR
<i>SOURCE: CSDF, 1970-1990.</i>						
<i>FULL DESCRIPTION:</i> persons of marital status single. See also MYYSINGL and MYYOTH.						

NAME	MYYOTH

<i>SHORT DESCRIPTION</i>	Persons of marital status other than single or married.					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	no	no	no	M70OTH	M80OTH	M90OTH
<i>SOURCE: CSDF, 1970-1990.</i>						
<i>FULL DESCRIPTION:</i> Persons of marital status other than single or married. See also MYYSINGL and MYYPAR.						

<i>NAME</i>	MYYSINGL					
<i>SHORT DESCRIPTION</i>	Perons of marital status single.					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	no	no	no	M70SINGL	M80SINGL	M90SINGL
<i>SOURCE: CSDF, 1970-1990.</i>						
<i>FULL DESCRIPTION:</i> persons of marital status single. See also MYYPAR and MYYOTH.						

<i>NAME</i>	OYY01					
<i>SHORT DESCRIPTION</i>	Total wage and salary workers.					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	O4001	O5001	O6001	no	no	no

SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.

FULL DESCRIPTION: Number of people 14 years and older employed in the labor force and working for a wage and/or a salary. OYY01M and OYY01F are subtotals of this variable.

NAME		OYY01F				
SHORT DESCRIPTION		Subtotal female wage and salary workers. (Subtotal variable).				
AVAILABILITY	1940	1950	1960	1970	1980	1990
	NO	O5001F	NO	NO	NO	NO
<p><i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i></p> <p><i>FULL DESCRIPTION:</i> Number of females 14 years and older employed in the labor force and working for a wage and/or a salary. Subtotal of OYY01.</p>						

NAME		OYY01M				
SHORT DESCRIPTION		Subtotal male wage and salary workers. (Subtotal variable).				
AVAILABILITY	1940	1950	1960	1970	1980	1990
	NO	O5001M	NO	NO	NO	NO
<p><i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i></p> <p><i>FULL DESCRIPTION:</i> Number of males 14 years and older employed in the labor force and working for a wage and/or a salary. Subtotal of OYY01.</p>						

<i>NAME</i>		OYY02				
<i>SHORT DESCRIPTION</i>		Total number of government workers.				
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	04002	05002	06002	no	no	no
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i>						
<i>FULL DESCRIPTION:</i> Indicates the total number of people 14 years and older working as government employees. In 1940, this category included people in the labor force employed in public emergency work. 05002M and 05002F are subtotals of this variable.						

<i>NAME</i>		OYY02F				
<i>SHORT DESCRIPTION</i>		Total number of female government workers. (Subtotal variable).				
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	no	05002F	no	no	no	no
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i>						
<i>FULL DESCRIPTION:</i> Indicates the total number of females 14 years and older working as government employees. This is a subtotal of 05002.						

<i>NAME</i>		OYY02M				
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<i>SHORT DESCRIPTION</i>		Total number of male government workers. (Subtotal variable).				
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	no	O5002M	no	no	no	no
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i>						
<i>FULL DESCRIPTION:</i> Indicates the total number of males 14 years and older working as government employees. This is a subtotal of O5002.						

<i>NAME</i>	OYY03					
<i>SHORT DESCRIPTION</i>		Total number of people self-employed.				
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	O4003	O5003	O6003	no	no	no
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i>						
<i>FULL DESCRIPTION:</i> Indicates the total number of people 14 years and older who were self-employed. In 1940, this category included people in the labor force as employers and as own-account workers. O5003M and O5003F are subtotals of this variable.						

<i>NAME</i>	OYY03F					
<i>SHORT DESCRIPTION</i>		Total number of males self-employed. (Subtotal variable).				
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990

	no	O5003F	no	no	no	no
<p><i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i></p>						
<p><i>FULL DESCRIPTION:</i> Indicates the total number of females 14 years and older who were self-employed. In 1940, this category included females in the labor force as employers and as own-account workers. This is a subtotal of O5003.</p>						

<i>NAME</i>	OYY03M					
<i>SHORT DESCRIPTION</i>	Total number of males self-employed. (Subtotal variable).					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	no	O5003M	no	no	no	no
<p><i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i></p>						
<p><i>FULL DESCRIPTION:</i> Indicates the total number of males 14 years and older who were self-employed. In 1940, this category included males in the labor force as employers and as own-account workers. This is a subtotal of O5003.</p>						

<i>NAME</i>	OYY04					
<i>SHORT DESCRIPTION</i>	Total number of family workers.					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	O4004	O5004	O6004	no	no	no
<p><i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i></p>						

FULL DESCRIPTION: Indicates the total number of people 14 years and older working in families. In 1940, this category included unpaid family workers. O5004M and O5004F are subtotals of this variable.

NAME		OYY04F				
SHORT DESCRIPTION		Total number of female family workers. (Subtotal variable).				
AVAILABILITY	1940	1950	1960	1970	1980	1990
	no	O5004F	no	no	no	no
SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.						
FULL DESCRIPTION: Indicates the total number of females 14 years and older working in families. In 1940, this category included unpaid female family workers. This variable is a subtotal of 05004.						

NAME		OYY04M				
SHORT DESCRIPTION		Total number of male family workers. (Subtotal variable).				
AVAILABILITY	1940	1950	1960	1970	1980	1990
	no	O5004M	no	no	no	no
SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.						
FULL DESCRIPTION: Indicates the total number of males 14 years and older working in families. In 1940, this category included unpaid male family workers. This variable is a subtotal of 05004.						

<i>NAME</i>		OYY05				
<i>SHORT DESCRIPTION</i>		Total number of people working as professionals.				
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	04005	05005	06005	no	no	no
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i>						
<i>FULL DESCRIPTION:</i> Indicates the number of people 14 years and older employed in "professional" occupations. In order to attain a comparable classification for the years 1940, 1950, and 1960, separate original categories were combined. For 1940, OYY05 combines 04005SPS ("semi-professionals" in the original classification) and 040YYPRS ("professionals" in the original classification). For 1950 and 1960, OYY05 combines the male and female "professional" workers (OYY05PRM and OYY05PRF), plus "technical and kindred" workers. Note, there was no original "semi-professional" classification for the years 1950 and 1960.						

<i>NAME</i>		OYY05PRF				
<i>SHORT DESCRIPTION</i>		Total number of females working as professionals. (<i>Subtotal variable</i>).				
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	no	05005PRM	06005PRM	no	no	no
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i>						
<i>FULL DESCRIPTION:</i> Indicates the number of females 14 years and older employed in "professional" occupations. See OYY05 for details. This variable is a subtotal of OYY05.						

<i>NAME</i>	OYY05PRM					
<i>SHORT DESCRIPTION</i>	Total number of males working as professionals. (Subtotal variable).					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	no	O5005PRM	O6005PRM	no	no	no
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i>						
<i>FULL DESCRIPTION:</i> Indicates the number of males 14 years and older employed in "professional" occupations. See OYY05 for details. This variable is a subtotal of OYY05.						

<i>NAME</i>	OYY05PRS					
<i>SHORT DESCRIPTION</i>	Total number of persons working as professionals. (Subtotal variable).					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	O4005PRS	no	no	no	no	no
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i>						
<i>FULL DESCRIPTION:</i> Indicates the number of persons 14 years and older employed in "professional" occupations. See OYY05 for details. This variable is a subtotal of OYY05.						

<i>NAME</i>	OYY05SPS					
<i>SHORT DESCRIPTION</i>	Total number of persons working as semi-professionals. (Subtotal variable).					

AVAILABILITY	1940	1950	1960	1970	1980	1990
	O4005SPS	no	no	no	no	no
<p><i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i></p>						
<p><i>FULL DESCRIPTION:</i> Indicates the number of persons 14 years and older employed in "semi-professional" occupations. See OYY05 for details. This variable is a subtotal of OYY05.</p>						

NAME		OYY06				
SHORT DESCRIPTION		Total number of people working as managers.				
AVAILABILITY	1940	1950	1960	1970	1980	1990
	04006	O5006	O6006	no	no	no
<p><i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i></p>						
<p><i>FULL DESCRIPTION:</i> Indicates the number of people 14 years and older employed as proprietors, managers, and officials, including farmers (owners and tenants) and farm managers.</p> <p>Male and female subtotals are provided in OYY06M and OYY06F.</p>						

NAME		OYY06F				
SHORT DESCRIPTION		Total number of females working as managers. (Subtotal variable).				
AVAILABILITY	1940	1950	1960	1970	1980	1990
	no	O5006F	O6006F	no	no	no
<p><i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i></p>						

FULL DESCRIPTION: Indicates the number of females 14 years and older employed as proprietors, managers, and officials, including farmers (owners and tenants) and farm managers.

Subtotal of OYY06.

NAME		OYY06M				
SHORT DESCRIPTION		Total number of males working as managers. (Subtotal variable).				
AVAILABILITY	1940	1950	1960	1970	1980	1990
	no	O5006M	O6006M	no	no	no
SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.						
<p><i>FULL DESCRIPTION:</i> Indicates the number of males 14 years and older employed as proprietors, managers, and officials, including farmers (owners and tenants) and farm managers.</p> <p>Subtotal of OYY06.</p>						

NAME		OYY07				
SHORT DESCRIPTION		Total number of people working as clerks and salespeople.				
AVAILABILITY	1940	1950	1960	1970	1980	1990
	04007	O5007	O6007	no	no	no
SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.						

FULL DESCRIPTION: Indicates the number of people 14 years and older employed as clerks, salespeople and kindred workers. The 1940 census counted clerks and salespeople under a single category. The 1950 and 1960 censuses separated these two categories, and subdivided those further into male and female. See also subtotal variables OYY07CLM, OYY07CLF, OYY07SLM, OYY07SLF.

NAME		OYY07CLF				
SHORT DESCRIPTION		Total number of females working as clerks. (Subtotal variable).				
AVAILABILITY	1940	1950	1960	1970	1980	1990
	no	O5007CLF	O6007CLF	no	no	no
SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.						
FULL DESCRIPTION: Indicates the number of females 14 years and older employed as clerks. This variable is a subtotal of OYY07.						

NAME		OYY07CLM				
SHORT DESCRIPTION		Total number of males working as clerks. (Subtotal variable).				
AVAILABILITY	1940	1950	1960	1970	1980	1990
	no	O5007CLM	O6007CLM	no	no	no
SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.						
FULL DESCRIPTION: Indicates the number of males 14 years and older employed as clerks. This variable is a subtotal of OYY07.						

<i>NAME</i>	OYY07SLF					
<i>SHORT DESCRIPTION</i>	Total number of females working as salespeople. (<i>Subtotal variable</i>).					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	no	O5007SLF	O6007SLF	no	no	no
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i>						
<i>FULL DESCRIPTION:</i> Indicates the number of females 14 years and older employed as salespeople. This variable is a subtotal of OYY07.						

<i>NAME</i>	OYY07SLM					
<i>SHORT DESCRIPTION</i>	Total number of males working as salespeople. (<i>Subtotal variable</i>).					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	no	O5007SLM	O6007SLM	no	no	no
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i>						
<i>FULL DESCRIPTION:</i> Indicates the number of males 14 years and older employed as salespeople. This variable is a subtotal of OYY07.						

<i>NAME</i>	OYY08					
<i>SHORT DESCRIPTION</i>	Total number of craft workers.					

<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	04008	05008	06008	no	no	no
<p><i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i></p>						
<p><i>FULL DESCRIPTION:</i> Indicates the number of people 14 years and older employed in craft industries. Craftsmen, foremen, and kindred workers are included. Male and female subtotals for 1950 and 1960 are provided in OYY08M and OYY08F.</p>						

<i>NAME</i>	OYY08F					
<i>SHORT DESCRIPTION</i>	Total number of female craft workers. (Subtotal variable).					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	no	O5008F	O6008F	no	no	no
<p><i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i></p>						
<p><i>FULL DESCRIPTION:</i> Indicates the number of females 14 years and older employed in craft industries. Craftsmen, foremen, and kindred workers are included. This variable is a subtotal of OYY08.</p>						

<i>NAME</i>	OYY08M					
<i>SHORT DESCRIPTION</i>	Total number of male craft workers. (Subtotal variable).					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	no	O5008M	O6008M	no	no	no
<p><i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i></p>						

FULL DESCRIPTION: Indicates the number of males 14 years and older employed in craft industries. Craftsmen, foremen, and kindred workers are included. This variable is a subtotal of OYY08.

NAME		OYY09				
SHORT DESCRIPTION		Total number of persons employed as operatives.				
AVAILABILITY	1940	1950	1960	1970	1980	1990
	04009	05009	06009	no	no	no
<p><i>SOURCE:</i> Ethington, Kooistra and DeYoung, 1940-1960.</p>						
<p><i>FULL DESCRIPTION:</i> Indicates the number of persons 14 years and older employed as (factory) operatives. See also subtotals in OYY09M and OYY09F.</p>						

NAME		OYY09F				
SHORT DESCRIPTION		Total number of females employed as operatives. (Subtotal variable).				
AVAILABILITY	1940	1950	1960	1970	1980	1990
	no	05009F	06009F	no	no	no
<p><i>SOURCE:</i> Ethington, Kooistra and DeYoung, 1940-1960.</p>						
<p><i>FULL DESCRIPTION:</i> Indicates the number of females 14 years and older employed as (factory) operatives. This variable is a subtotal of OYY09.</p>						

<i>NAME</i>	OYY09M					
<i>SHORT DESCRIPTION</i>	Total number of males employed as operatives. (<i>Subtotal variable</i>).					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	no	O5009M	O6009M	no	no	no
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i>						
<i>FULL DESCRIPTION:</i> Indicates the number of males 14 years and older employed as (factory) operatives. This variable is a subtotal of OYY09.						

<i>NAME</i>	OYY10					
<i>SHORT DESCRIPTION</i>	Total number of persons employed in domestic service.					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	O4010	O5010	O6010	no	no	no
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i>						
<i>FULL DESCRIPTION:</i> Indicates the number of persons 14 years and older employed in "domestic service" (the 1940 terminology) and as "private household workers" (the 1950 and 1960 terminology). See also subtotals for 1950 and 1960 in OYY10M and OYY10F.						

<i>NAME</i>	OYY10F

<i>SHORT DESCRIPTION</i>	Total number of females employed in domestic service. (<i>Subtotal variable</i>).					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	no	O5010F	O6010F	no	no	no
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i>						
<i>FULL DESCRIPTION:</i> Indicates the number of females 14 years and older employed in "domestic service" (the 1940 terminology) and as "private household workers" (the 1950 and 1960 terminology). This variable is a subtotal of OYY10.						

<i>NAME</i>	OYY10M					
<i>SHORT DESCRIPTION</i>	Total number of males employed in domestic service. (<i>Subtotal variable</i>).					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	no	O5010M	O6010M	no	no	no
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i>						
<i>FULL DESCRIPTION:</i> Indicates the number of males 14 years and older employed in "domestic service" (the 1940 terminology) and as "private household workers" (the 1950 and 1960 terminology). This variable is a subtotal of OYY10.						

<i>NAME</i>	OYY11					
<i>SHORT DESCRIPTION</i>	Total number of service workers.					

<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	O4011	O5011	O6011	no	no	no
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i>						
<i>FULL DESCRIPTION:</i> Indicates the number of persons 14 years and older employed as service workers, excepting "domestic service" and "private household workers." See also subtotals for 1950 and 1960 in OYY11M and OYY11F.						

<i>NAME</i>	OYY11F					
<i>SHORT DESCRIPTION</i>	Total number of female service workers. (Subtotal variable).					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	no	O5011F	O6011F	no	no	no
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i>						
<i>FULL DESCRIPTION:</i> Indicates the number of females 14 years and older employed as service workers, excepting "domestic service" and "private household workers." This variable is a subtotal of OYY11.						

<i>NAME</i>	OYY11M					
<i>SHORT DESCRIPTION</i>	Total number of male service workers. (Subtotal variable).					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	no	O5011M	O6011M	no	no	no
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i>						

FULL DESCRIPTION: Indicates the number of males 14 years and older employed as service workers, excepting "domestic service" and "private household workers." This variable is a subtotal of OYY11.

NAME	OYY12					
SHORT DESCRIPTION	Total number of persons employed as laborers.					
AVAILABILITY	1940	1950	1960	1970	1980	1990
	O4012	O5012	O6012	no	no	no
SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.						
FULL DESCRIPTION: Indicates the number of persons 14 years and older employed as laborers. In 1950 and 1960 this category specifically excluded miners. See also subtotals in OYY12M and OYY12F.						

NAME	OYY12F					
SHORT DESCRIPTION	Total number of females employed as laborers. (Subtotal variable).					
AVAILABILITY	1940	1950	1960	1970	1980	1990
	no	O5012F	O6012F	no	no	no
SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.						
FULL DESCRIPTION: Indicates the number of females 14 years and older employed as laborers. In 1950 and 1960 this category specifically excluded miners. This variable is a subtotal of OYY12.						

<i>NAME</i>	OYY12M					
<i>SHORT DESCRIPTION</i>	Total number of males employed as laborers. (Subtotal variable).					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	no	O5012M	O6012M	no	no	no
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i>						
<i>FULL DESCRIPTION:</i> Indicates the number of males 14 years and older employed as laborers. In 1950 and 1960 this category specifically excluded miners. This variable is a subtotal of OYY12.						

<i>NAME</i>	OYY13					
<i>SHORT DESCRIPTION</i>	Total number of persons not reporting any occupation.					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	O4013	O5013	O6013	no	no	no
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i>						
<i>FULL DESCRIPTION:</i> Indicates the number of persons 14 years or older not reporting any occupation. See also subtotals in OYY13M and OYY13F.						

<i>NAME</i>	OYY13F					
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<i>SHORT DESCRIPTION</i>	Total number of females not reporting any occupation. (<i>Subtotal variable</i>).					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	no	O5013F	O6013F	no	no	no
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i>						
<i>FULL DESCRIPTION:</i> Indicates the number of females 14 years or older not reporting any occupation. This variable is a subtotal of OYY13.						

<i>NAME</i>	OYY13M					
<i>SHORT DESCRIPTION</i>	Total number of males not reporting any occupation. (<i>Subtotal variable</i>).					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	no	O5013M	O6013M	no	no	no
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i>						
<i>FULL DESCRIPTION:</i> Indicates the number of males 14 years or older not reporting any occupation. This variable is a subtotal of OYY13.						

<i>NAME</i>	OYYBC					
<i>SHORT DESCRIPTION</i>	Persons of blue collar occupation					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990

	O40BC	O50BC	O60BC	O70BC	O80BC	O90BC
<p><i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960; CSDF, 1970-1990.</i></p>						
<p><i>FULL DESCRIPTION:</i> This and its companion variable, OYYWC are highly constructed variable, meaning many value judgements are involved. The criteria used to create it are based on the occupational classification system most widely used by social scientists, which goes back to the work of Alba M. Edwards in the U.S. Census of 1940. The distinction between "white" and "blue" collars hinges principally upon the use of the hands. Those who work with their hands, whether skilled or not, are classified as blue collar. For the years 1940, 1950, and 1960, the following variables were combined to form the OYYBC variable: OYY08 (Crafts), OYY10 (Operatives), OYY11 (Domestics), OYY13 (Laborers). Unfortunately, the CSDF codebook does not list its criteria for classifying the occupations for the years 1970, 1980, and 1990. Testing, however, shows great continuity between the system used by Ethington, Kooistra, and DeYoung, and that used by the CSDF. Further, for an unknown reason, about one-third of the observations in the CSDF dataset for 1970 were missing. These were re-created for this data set by interpolating proportions for each tract for which the data had been missing, between the years 1960 and 1980. See also OYYWC.</p>						

<i>NAME</i>	OYYWC					
<i>SHORT DESCRIPTION</i>	Persons of white collar occupation.					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	O40WC	O50WC	O60WC	O70WC	O80WC	O90WC
<p><i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960; CSDF, 1970-1990.</i></p>						

FULL DESCRIPTION: This and its companion variable, OYYBC are highly "constructed" variables, meaning that many value judgements are involved. The criteria used to create it are based on the occupational classification system most widely used by social scientists, which goes back to the work of Alba M. Edwards in the U.S. Census of 1940. The distinction between "white" and "blue" collars hinges principally upon the use of the hands. Those who work with their hands, whether skilled or not, are classified as blue collar. For the years 1940, 1950, and 1960, the following variables were combined to form the OYYWC variable: OYY02 (Government), OYY05 (Professional), OYY06 (Managers), OYY07 (Clerks and Sales), and OYY12 (Service). Unfortunately, the CSDF codebook does not list its criteria for classifying the occupations for the years 1970, 1980, and 1990. Testing, however, shows great continuity between the system used by Ethington, Kooistra, and DeYoung, and that used by the CSDF. Further, for an unknown reason, about one-third of the observations in the CSDF dataset for 1970 were missing. These were re-created for this data set by interpolating proportions for each tract for which the data had been missing, between the years 1960 and 1980. See also OYYBC.

NAME		PYYB				
SHORT DESCRIPTION		Population black. (Subtotal variable).				
AVAILABILITY	1940	1950	1960	1970	1980	1990
	P40B	P50B	P60B	NO	NO	NO
SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.						
FULL DESCRIPTION: Subtotal of PYYTOTNW, limited to "negro," "black," and "African American" population. This variable is a subtotal of PYYTOTNW.						

NAME	PYYBNH
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SHORT		Population black non hispanic.				
DESCRIPTION		(Subtotal variable).				
AVAILABILITY (Union 1940-90)	1940	1950	1960	1970	1980	1990
	P40BNH	P50BNH	P60BNH	P70BNH	P80BNH	P90BNH
SOURCE: Ethington, Kooistra and DeYoung, 1940-1960; CSDF, 1970-1990.						
FULL DESCRIPTION: All persons classified as "negro," "black" or "African American" minus persons classified as "hispanic." This variable originated in the CSDF series and was carried backward to the Ethington, Kooistra and DeYoung 1940-1960 series as closely as possible, but must be used with caution. Difficulties in maintaining consistency for the "hispanic" category affect the consistency of this variable. See also the discussions in PYYWNH, PYYONH, and PYYHIS.						

NAME		PYYCSA				
SHORT DESCRIPTION		Population born in Central or South America.				
AVAILABILITY	1940	1950	1960	1970	1980	1990
	P40CSA	P50CSA	P60CSA	NO	NO	NO
SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.						
FULL DESCRIPTION: Listed in the Census tract tables as a subtotal of PYYFBW, this variable was collected in order to help approximate the "hispanic" category in later Census years, and also because of its intrinsic interest for Los Angeles County. See also discussion in PYYHIS and PYMEX.						

<i>NAME</i>		PYYFBW				
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<i>SHORT DESCRIPTION</i>		Population foreign-born white. <i>(Subtotal variable).</i>				
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	P40FBW	P40FBW	NO	NO	NO	NO
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i>						
<i>FULL DESCRIPTION:</i> Listed in the 1940 and 1950 Census tract tables as a subtotal of PYYTW, it specifies number of persons not born in the United States or any of its territories or possessions, or any other area designated as "native." The census tract tables also indicate country of origin for foreign born whites, but apart from "Mexico" and "Central or South America," (necessary for the "hispanic" category) these data were not collected for this data set. See also PYYTW and PYYNATW. This variable is a subtotal of PYYTW.						

<i>NAME</i>	PYYHIS					
<i>SHORT DESCRIPTION</i>		Population hispanic. <i>(Subtotal variable).</i>				
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	P40HIS	P50HIS	P60HIS	P70HIS	P80HIS	P90HIS
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960; CSDF, 1970-1990.</i>						

FULL DESCRIPTION: "Hispanic" is a bureaucratically constructed term, intended to embrace all persons of Spanish-language descent. This category is not racial, in that it includes whites, blacks, and even asians. The key question for demographic data definition then, is not whether the category is 'real,' but whether it is consistent in its constructedness. The 1970-1990 Censuses actually used this category for data collection and aggregation, so we must assume relative consistency for those years. In 1950 and 1960 the Census reported the number of people with Spanish surnames, subdivided further into native and foreign born. That served as a very close approximation of the 1970-1990 "hispanic" category. However, the 1940 Census only reported the national and regional origins of "born in Mexico" and "born in Central or South America" at the tract level. Those are the only available tract-level category for indicating "hispanic" and although inadequate, it cannot be improved upon. Tests indicate a significant undercount of "hispanics" using this measure. On the positive side, it does seem to provide a very reliable tool for locating concentrations of "hispanic" people more broadly defined to include the native-born. Given the high degree of segregation in 1940, most persons of hispanic descent were clustered together. This variable originated in the CSDF series and was carried backward to the Ethington, Kooistra and DeYoung 1940-1960 series as closely as possible, but must be used with caution. See also the discussions in PYYWNH, PYYBNH, and PYYONH.

<i>NAME</i>		PYYMEX				
<i>SHORT DESCRIPTION</i>		Population born in Mexico.				
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	P40MEX	P50MEX	P60MEX	NO	NO	NO
<i>SOURCE:</i> Ethington, Kooistra and DeYoung, 1940-1960.						

FULL DESCRIPTION: Listed in the Census tract tables as a subtotal of PYYFBW, this variable was collected in order to help approximate the "hispanic" category in later Census years, and also because of its intrinsic interest for Los Angeles County. It does not, however, include anyone of Mexican descent born in the United States ("Mexican-Americans," or "Chicanos"), a considerable number by 1940. Nor should it be assumed that tracts including Mexican-born individuals were representative of tracts including Mexican-Americans. See also discussion in PYYHIS and PYCSA.

NAME		PYYNATW				
SHORT DESCRIPTION		Population native-born white. (Subtotal variable).				
AVAILABILITY	1940	1950	1960	1970	1980	1990
	P40NATW	P50NATW	NO	NO	NO	NO
SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.						
FULL DESCRIPTION: Listed in the 1940 and 1950 Census tract tables as a subtotal of PYYTW, it specifies number of persons "born in the United States or any of its territories or possessions" (1940). In 1950 this definition was expanded with the language "...or born in a foreign country of parents were American citizens." See also PYYTW and PYYFBW. This variable is a subtotal of PYYTW.						

NAME		PYYNBNW				
SHORT DESCRIPTION		Population non-black and non-white. (Subtotal variable).				
AVAILABILITY	1940	1950	1960	1970	1980	1990
	P40NBNW	P50NBNW	P60NBNW	NO	NO	NO

SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.

FULL DESCRIPTION: Includes all non white but also non black population. Since "Mexicans" and "Central and South Americans" were classified as "white" in 1940-1960," this variable effectively represents Asians, who comprised the vast majority of remaining nonwhites, although Native Americans were also included. This variable is a subtotal of PYYTOTNW,

NAME		PYYONH				
SHORT DESCRIPTION		Population other non white non hispanic. (Subtotal variable).				
AVAILABILITY	1940	1950	1960	1970	1980	1990
	P40ONH	P50ONH	P60ONH	P70ONH	P80ONH	P90ONH
<p><i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960; CSDF, 1970-1990.</i></p> <p><i>FULL DESCRIPTION:</i> This category is inherently residual: it attempts to embrace all non white non hispanics. For most of the years 1940-1990, this effectively meant "Asian," but the diversity of persons in this category grew increasingly wide after the Immigration Reform Act of 1965. The tract-level data for actually do not permit finer race-ethnic distinctions. This variable originated in the CSDF series and was carried backward to the Ethington, Kooistra and DeYoung 1940-1960 series as closely as possible, but must be used with caution. Difficulties in maintaining consistency for the "hispanic" category affect the consistency of this variable. See also the discussions in PYYWNH, PYYBNH, and PYYHIS.</p>						

NAME		PYYSSFB				
SHORT DESCRIPTION		Population with Spanish surnames, foreign born. (Subtotal variable).				

<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	NO	P50SSFB	P60SSFB	NO	NO	NO
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i>						
<i>FULL DESCRIPTION:</i> Includes only those native born in the United States, its territories or possessions. <u>Note limitation of this variable</u> , discussed in PYY SST. See also PYY SSN. This variable is a subtotal of PYY SST.						

<i>NAME</i>	PYYSSN					
<i>SHORT DESCRIPTION</i>	Population with Spanish surnames, native born. (Subtotal variable).					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	NO	P50SSN	P60SSN	NO	NO	NO
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i>						
<i>FULL DESCRIPTION:</i> Includes only those native born in the United States, its territories or possessions. <u>Note limitation of this variable</u> , discussed in PYY SST. See also PYY SSFB. This variable is a subtotal of PYY SST.						

<i>NAME</i>	PYY SST					
<i>SHORT DESCRIPTION</i>	Population total with Spanish surnames					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	NO	P50SST	P60SST	NO	NO	NO
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960.</i>						

FULL DESCRIPTION: Persons with Spanish surnames were identified for the first time in the 1950 Census. These were listed in separate tables listing all tracts with 250 or more white persons with Spanish surnames. Data in this variable were collected from those subsidiary tables. Clearly the minimum number of 250 characterizes this variable as one to be used with caution, as it is not sensitive to smaller populations. See also PYYSSN and PYYSSFB.

NAME		PYYT				
SHORT DESCRIPTION		Population total.				
AVAILABILITY	1940	1950	1960	1970	1980	1990
	P40T	P50T	P60T	P70T	P80T	P90T
<p><i>SOURCE:</i> Ethington, Kooistra and DeYoung, 1940-1960; CSDF, 1970-1990.</p>						
<p><i>FULL DESCRIPTION:</i> Total number of residents, of all ages, races, ethnic groups, and sexes, living in census tract.</p>						

NAME		PYYTOTNW				
SHORT DESCRIPTION		Total non white population.				
AVAILABILITY	1940	1950	1960	1970	1980	1990
	P40TOTNW	P50TOTNW	P60TOTNW	NO	NO	NO
<p><i>SOURCE:</i> Ethington, Kooistra and DeYoung, 1940-1960.</p>						

FULL DESCRIPTION: Includes all not defined as "white," such as blacks, Asians, Native Americans. Mexicans (1940, 1950, and 1960) and Central and South Americans (1940 and 1950) are classified as "white," and hence not included in this figure.

<i>NAME</i>	PYYTW					
<i>SHORT DESCRIPTION</i>	Total white population.					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	P40TW	P50TW	P60TW	NO	NO	NO
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960</i>						
<i>FULL DESCRIPTION:</i> Total number of persons considered "white," which includes persons of Mexican birth or ancestry who are not "definitely" Indian or of another "nonwhite race." For 1940 and 1950, this figure is subdivided into the subtotals of PYYNATW (native-born whites) and PYYFBW (foreign-born whites).						

<i>NAME</i>	PYYWNH					
<i>SHORT DESCRIPTION</i>	Population white non hispanic. <i>(Subtotal variable).</i>					
<i>AVAILABILITY</i> <i>(Union 1940-90)</i>	1940	1950	1960	1970	1980	1990
	P40WNH	P50WNH	P60WNH	P70WNH	P80WNH	P90WNH
<i>SOURCE: Ethington, Kooistra and DeYoung, 1940-1960; CSDF, 1970-1990.</i>						

FULL DESCRIPTION: "White non hispanic" represents all persons classified as "white" (which included Hispanics of various backgrounds in the 1970, 1980 and 1990 censuses), minus those classified as "hispanic." This variable originated in the CSDF series and was carried backward to the Ethington, Kooistra and DeYoung 1940-1960 series as closely as possible, but must be used with caution. Difficulties in maintaining consistency for the "hispanic" category affect the consistency of this variable. In 1950 and 1960 the Census reported the number of people with Spanish surnames, subdivided further into native and foreign born. That served as a very close approximation of the 1970-1990 "hispanic" category. However, the 1940 Census only reported the national and regional origins of "born in Mexico" and "born in Central or South America." That is the only available tract-level category for indicating "hispanic" and although inadequate, it cannot be improved upon. Tests indicate a significant undercount of "hispanics" using this measure. On the positive side, it does seem to provide a very reliable tool for locating concentrations of "hispanic" people more broadly defined to include the native-born. Given the high degree of segregation in 1940, most persons of hispanic descent were clustered together. The implication of these considerations is that the "white non hispanic" category cannot be fully consistent across the years 1940-1990. Especially in 1940, at least some persons of hispanic descent are undoubtedly included in the "white non hispanic" category. See also the discussions in PYYBNH, PYYONH, and PYYHIS.

<i>NAME</i>		RYYOTYY				
<i>SHORT DESCRIPTION</i>		Residence in other location than same house or same county, as five years previous.				
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	no	no	no	R700T65	R800T75	R900T85
<i>SOURCE:</i> CSDF, 1970-1990.						
<i>FULL DESCRIPTION:</i> Residence in other location than same house or same county, as five years previous. See also RYYSHYY and RYYSCYY.						

<i>NAME</i>	RYYSCYY					
<i>SHORT DESCRIPTION</i>	Residence in same county as five years previous.					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	no	no	no	R70SC65	R80SC75	R90SC85
<i>SOURCE: CSDF, 1970-1990.</i>						
<i>FULL DESCRIPTION:</i> Residence in same county as five years previous. See also RYYSHYY and RYYOTYY.						

<i>NAME</i>	RYYSHYY					
<i>SHORT DESCRIPTION</i>	Residence in same house as five years previous.					
<i>AVAILABILITY</i>	1940	1950	1960	1970	1980	1990
	no	no	no	R70SH65	R80SH75	R90SH85
<i>SOURCE: CSDF, 1970-1990.</i>						
<i>FULL DESCRIPTION:</i> Residence in same home as five years previous. See also RYYSCYY and RYYOTYY.						