

History 139 GIS Project

Codebook

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Introduction: American historians are blessed with a wealth of data available from the records of the U.S. Census. The census is a tally of the American population, completed every ten years, to determine the apportionment of representatives in the House of Representatives. Since 1790, when the first census was taken, it has since grown in scope and significance. Starting in 1850, the census began recording a wide range of information on American social and economic life. These data are invaluable for historians.

The data: Working with the census is a difficult enterprise – one that even professional historians find challenging. What we have done here is to gather historic census data (from the 1850-1880 censuses) and present it to you in a way that will make it more manageable. There are two things you need to know to understand this codebook:

1. First, the census data is broken down by **county**. Each state has a number of counties, and the census data for each census year is kept for each county. The county is thus the smallest, most local level of detail obtainable in this project. The GIS maps that accompany this project are similarly divided into counties, so that we can display census data on maps down to the county level.
2. Second, each separate bit of census information for a county is recorded in a **variable**. For example, there is a variable that records the total female population for 1870. There are variables that record general population information, information on the economy, education, religion, and ethnicity, and a range of other topics.

Datasets: To keep the data manageable, I have broken it down into datasets, each of which focuses on one aspect of the census data. The **general data set** is a generic dataset that may be sufficient for most groups to complete their projects. You may, however, wish for more detailed data in formulating your query. That is why I have made more detailed data available. The datasets are:

- **General data:** This generic set of data may be enough for most groups to complete their project. It includes several variables from each dataset, except for voting data.
- **Economic data:** Includes detailed data on number of farms, value of farms, and value of manufactories, 1850-1880.
- **Education data:** Data on schools and literary, for 1850 and 1870.
- **Religion:** Data on religious sects, concentrating on 1850 and 1860.
- **Voting data:** Offers data on outcome of presidential elections from 1840-1880.
- **Slaveholding data:** Details patterns of slaveholding from the 1860 census.

Codebook: What follows are descriptions of the variables in the various datasets. The key to each description is the variable name, and variable description. The variable name is the label used by the GIS software to describe one particular bit of information. Because the software does not allow for long variable names, we need a codebook, to tell you what each variable describes. This is the job of the variable description.

General data module

Category	Variable name	Variable description
Population - General	TPOP1850	Total Population, 1850
	TPOP1860	Total Population, 1860
	TPOP1870	Total Population, 1870
	TPOP1880	Total Population, 1880
	TMAL1850	Total Male Population, 1850
	TMAL1860	Total Male Population, 1860
	TMAL1870	Total Male Population, 1870
	TMAL1880	Total Male Population, 1880
	TFEM1850	Total Female Population, 1850
	TFEM1860	Total Female Population, 1860
	TFEM1870	Total Female Population, 1870
	TFEM1880	Total Female Population, 1880
	TWHI1850	Total White Population, 1850
	TWHI1860	Total White Population, 1860
	TWHI1870	Total White Population, 1870
	TWHI1880	Total White Population, 1880
	PWHI1850	White Population as % of Total Population, 1850
	PWHI1860	White Population as % of Total Population, 1860
	PWHI1870	White Population as % of Total Population, 1870
	PWHI1880	White Population as % of Total Population, 1880

Population - Colored	TSLA1850	Total Slave Population, 1860
	TSLA1860	Total Slave Population, 1850
	SPERTO1850	Slave Population as % of Total Population, 1850
	SPERTO1860	Slave Population as % of Total Population, 1860
	SPERCO1850	Slave Population as % of Total Colored Population, 1850
	SPERCO1860	Slave Population as % of Total Colored Population, 1860
	TFRE1850	Total Free Colored Population, 1850
	TFRE1860	Total Free Colored Population, 1860
	FRPETO1850	Free Colored Population as % of Total Population, 1850
	FRPETO1860	Free Colored Population as % of Total Population, 1860
	FRPECO1850	Free Colored Population as % of Total Colored Population, 1860
	FRPECO1860	Free Colored Population as % of Total Colored Population, 1850
	TCOL1850	Total Colored Population, 1850
	TCOL1860	Total Colored Population, 1860
	TCOL1870	Total Colored Population, 1870
	TCOL1880	Total Colored Population, 1880
Population - Foreign	TFOR1850	Total Foreign-Born Population, 1850
	TFOR1860	Total Foreign-Born Population, 1860
	TFOR1870	Total Foreign-Born Population, 1870
	TFOR1880	Total Foreign-Born Population, 1880
	PERFOR1850	Foreign-Born Population as % of Total Population, 1850
	PERFOR1860	Foreign-Born Population as % of Total Population, 1860
	PERFOR1870	Foreign-Born Population as % of Total Population, 1870
	PERFOR1880	Foreign-Born Population as % of Total Population, 1880
Agriculture	TFAR1850	Total Number of Farms, 1850
	TFAR1860	Total Number of Farms, 1860
	TFAR1870	Total Number of Farms, 1870
	TFAR1880	Total Number of Farms, 1880
	VFAR1850	Total Value of All Farms, 1850
	VFAR1860	Total Value of All Farms, 1860
	VFAR1870	Total Value of All Farms, 1870
	VFAR1880	Total Value of All Farms, 1880
	AVGFAR1850	Average Value of Farms, 1850
	AVGFAR1860	Average Value of Farms, 1860
	AVGFAR1870	Average Value of Farms, 1870
	AVGFAR1880	Average Value of Farms, 1880
Manufacturing	NMAN1850	Number of Manufacturing Establishments, 1850
	NMAN1860	Number of Manufacturing Establishments, 1860
	NMAN1870	Number of Manufacturing Establishments, 1870
	NMAN1880	Number of Manufacturing Establishments, 1880
	CMAN1850	Capital Invested in Manufacturing, 1850
	CMAN1860	Capital Invested in Manufacturing, 1860
	CMAN1870	Capital Invested in Manufacturing, 1870
	CMAN1880	Capital Invested in Manufacturing, 1880
	VMAN1850	Value of Manufactured Products, 1850

	VMAN1860	Value of Manufactured Products, 1860
	VMAN1870	Value of Manufactured Products, 1870
	VMAN1880	Value of Manufactured Products, 1880
	AVGMAN1850	Average Value of Manufactories, 1850
	AVGMAN1860	Average Value of Manufactories, 1860
	AVGMAN1870	Average Value of Manufactories, 1870
	AVGMAN1880	Average Value of Manufactories, 1880

Economic data module

Category	Variable name	Variable description	Years
Number of farms	TOTFARM	TOTAL NO. OF FARMS	1850-1880
	NOUNDER3	NO. OF FARMS UNDER 3 ACRES	1850-1880
	NO3_9AC	NO. OF FARMS OF 3-9 ACRES	1850-1880
	NO10_19AC	NO. OF FARMS OF 10-19 ACRES	1850-1880
	NO20_49AC	NO. OF FARMS OF 20-49 ACRES	1850-1880
	NO50_99AC	NO. OF FARMS OF 50-99 ACRES	1850-1880
	NO100_499AC	NO. OF FARMS OF 100-499 ACRES	1850-1880
	NO500-999	NO. OF FARMS OF 500-999 ACRES	1850-1880
	NO1000AC	NO. OF FARMS OF 1,000 OR MORE ACRES	1850-1880
Value of farms	UNIMLAND	NO. OF ACRES OF UNIMPROVED LAND IN FARMS	1850-1880
	VALFARM	CASH VALUE OF FARMS	1850-1880
	VALIMPL	VALUE OF FARMING IMPLEMENTS AND MACHINER	1850-1880
	VALLIVE	VALUE OF LIVESTOCK	1850-1880
	VALANIM	VALUE OF ANIMALS SLAUGHTERED	1850-1870
	VALORCH	VALUE OF ORCHARD PRODUCTS	1850-1870
Manufacturing	VALMARK	VALUE OF PRODUCE OF MARKET GARDENS	1850-1870
	CAPMAN	CAPITAL INVESTED IN MANUFACTURING ESTAB	1850-1880
	VALMAN	VALUE OF ANNUAL PRODUCT IN MANUFACTURING	1850-1880

Education data module

Category	Variable name	Variable description	Years
Colleges	COLLNO	NO. OF COLLEGES	1850
	COLLPUP	NO. OF PUPILS IN COLLEGES	1850
	COLLINC	TOTAL ANNUAL COLLEGE INCOME	1850
Public Schools	PUBLICNO	NO. OF PUBLIC SCHOOLS	1850
	PUBLICPUP	NO. OF PUPILS IN PUBLIC SCHOOLS	1850
	PUBLICINC	TOTAL ANNUAL PUBLIC SCHOOLS INCOME	1850
Total in School	WMALSCHOOL	NO. OF WHITE MALES ATTENDING SCHOOL	1850, 1870
	WFEMSCHOOL	NO. OF WHITE FEMALES ATTENDING SCHOOL	1850, 1870
	TWHISCHOOL	TOTAL NO. OF WHITE PERSONS ATTENDING SCH	1850, 1870
	CMALSCHOOL	NO. OF FREE COLORED MALES ATTENDING SCHO	1850, 1870

	CFEMSCHOOL	NO. OF FREE COLORED FEMALES ATTENDING SCHOOL	1850, 1870
	TCOLSCHOOL	TOTAL NO. OF FREE COLORED PERSONS ATTEND	1850, 1870
	TFORSCHOOL	NO. FOREIGN-BORN PERSONS ATTENDING SCHOOL	1850, 1870
	TNATSCHOOL	NO. NATIVE-BORN PERSONS ATTENDING SCHOOL	1850, 1870
	TOTSCHOOL	AGGR. NO. OF PERSONS ATTENDING SCHOOL	1850, 1870
Illiteracy	WMALNOREAD	NO. OF WHITE MALE ADULTS WHO CANNOT READ	1850, 1870
	WFEMNOREAD	NO. OF WHITE FEMALE ADULTS WHO CANNOT RE	1850, 1870
	TWHINOREAD	TOTAL NO. OF WHITE ADULTS WHO CANNOT REA	1850, 1870
	CMALNOREAD	NO. OF FREE COLORED MALE ADULTS WHO CANN	1850, 1870
	CFEMNOREAD	NO. OF FREE COLORED FEMALE ADULTS WHO CA	1850, 1870
	TCOLNOREAD	TOTAL NO. OF FREE COLORED ADULTS WHO CAN	1850, 1870
	NATNOREAD	NO. NATIVE-BORN PERSONS WHO CANNOT WRITE	1850, 1870
	FORNOREAD	NO. FOREIGN-BORN PERSONS WHO CANNOT WRIT	1850, 1870
	TOTNOREAD	AGGR. NO. OF ADULTS WHO CANNOT READ AND	1850, 1870

Religion data module

Variable name	Variable description	Years	Notes
NOBAPTIST	NO. OF BAPTIST CHURCHES, 1850	1850-60	Accommodations = # worshippers
ACOBAPTIST	AGGR. ACCOMMODATIONS OF BAPTIST CHURCHES	1850-60	
VALBAPTIST	TOTAL VALUE OF BAPTIST CHURCH PROPERTY,	1850-60	
NOCHRIST	NO. OF CHRISTIAN CHURCHES, 1850	1850-60	
ACOCCHRIST	AGGR. ACCOMMODATIONS OF CHRISTIAN CHURCH	1850-60	
VALCHRIST	TOTAL VALUE OF CHRISTIAN CHURCH PROPERTY	1850-60	
NOCONGREG	NO. OF CONGREGATIONAL CHURCHES, 1850	1850-60	
ACONCONGREG	AGGR. ACCOMMODATIONS OF CONGREGATIONAL C	1850-60	
VALCONGREG	TOTAL VALUE OF CONGREGATIONAL CHURCH PRO	1850-60	
NODUTCHRE	NO. OF DUTCH REFORMED CHURCHES, 1850	1850-60	
ACODUTCHRE	AGGR. ACCOMMODATIONS OF DUTCH REFORMED C	1850-60	
VALDUTCHRE	TOTAL VALUE OF DUTCH REFORMED CHURCH PRO	1850-60	
NOEPISCOP	NO. OF EPISCOPAL CHURCHES, 1850	1850-60	
ACOEPIPCOP	AGGR. ACCOMMODATIONS OF EPISCOPAL CHURCH	1850-60	
VALEPIPCOP	TOTAL VALUE OF EPISCOPAL CHURCH PROPERTY	1850-60	
NOFRIENDS	NO. OF FRIENDS OR QUAKER CHURCHES, 1850	1850-60	
ACOFRIENDS	AGGR. ACCOMMODATIONS OF FRIENDS OR QUAKE	1850-60	
VALFRIENDS	TOTAL VALUE OF FRIENDS OR QUAKER CHURCH	1850-60	
NOGERMNRE	NO. OF GERMAN REFORMED CHURCHES, 1850	1850-60	
ACOGGERMNRE	AGGR. ACCOMMODATIONS OF GERMAN REFORMED	1850-60	
VALGERMNRE	TOTAL VALUE OF GERMAN REFORMED CHURCH PR	1850-60	
NOJEWISH	NO. OF JEWISH CHURCHES, 1850	1850-60	
ACOJEWISH	AGGR. ACCOMMODATIONS OF JEWISH CHURCHES,	1850-60	
VALJEWISH	TOTAL VALUE OF JEWISH CHURCH PROPERTY, 1	1850-60	
NOLUTHER	NO. OF LUTHERAN CHURCHES, 1850	1850-60	
ACOLUTHER	AGGR. ACCOMMODATIONS OF LUTHERAN CHURCHE	1850-60	

VALLUTHER	TOTAL VALUE OF LUTHERAN CHURCH PROPERTY,	1850-60	
NOMENNON	NO. OF MENNONITE CHURCHES, 1850	1850-60	
ACOMENNON	AGGR. ACCOMMODATIONS OF MENNONITE CHURCH	1850-60	
VALMENNON	TOTAL VALUE OF MENNONITE CHURCH PROPERTY	1850-60	
NOMETHOD	NO. OF METHODIST CHURCHES, 1850	1850-60	
ACOMETHOD	AGGR. ACCOMMODATIONS OF METHODIST CHURCH	1850-60	
VALMETHOD	TOTAL VALUE OF METHODIST CHURCH PROPERTY	1850-60	
NOMORMAN	NO. OF MORMAN CHURCHES, 1860	1860	
ACOMORMAN	AGGR. ACCOMMODATIONS OF MORMAN CHURCHES,	1860	
VALMORMAN	VALUE OF MORMAN CHURCH PROPERTY, 1860	1860	
NOPRESBYT	NO. OF PRESBYTERIAN CHURCHES, 1850	1850-60	
ACOPRESBYT	AGGR. ACCOMMODATIONS OF PRESBYTERIAN CHU	1850-60	
VALPRESBYT	TOTAL VALUE OF PRESBYTERIAN CHURCH PROPE	1850-60	
NOCATHOLIC	NO. OF ROMAN CATHOLIC CHURCHES, 1850	1850-60	
ACOCATHOLIC	AGGR. ACCOMMODATIONS OF ROMAN CATHOLIC C	1850-60	
VALCATHOLIC	TOTAL VALUE OF ROMAN CATHOLIC CHURCH PRO	1850-60	
NOSHAKE	NO. OF SHAKER CHURCHES, 1860	1850-60	
ACOSHAKE	AGGR. ACCOMMODATIONS OF SHAKER CHURCHES,	1850-60	
VALSHAKE	VALUE OF SHAKER CHURCH PROPERTY, 1860	1850-60	
NOTUNKER	NO. OF TUNKER CHURCHES, 1850	1850-60	German Baptists
ACOTUNKER	AGGR. ACCOMMODATIONS OF TUNKER CHURCHES,	1850-60	
VALTUNKER	TOTAL VALUE OF TUNKER CHURCH PROPERTY, 1	1850-60	
NOUNITARI	NO. OF UNITARIAN CHURCHES, 1850	1850-60	
ACOUNITARI	AGGR. ACCOMMODATIONS OF UNITARIAN CHURCH	1850-60	
VALUNITARI	TOTAL VALUE OF UNITARIAN CHURCH PROPERTY	1850-60	
NOUNIVERS	NO. OF UNIVERSALIST CHURCHES, 1850	1850-60	
ACOUNIVERS	AGGR. ACCOMMODATIONS OF UNIVERSALIST CHU	1850-60	
VALUNIVERS	TOTAL VALUE OF UNIVERSALIST CHURCH PROPE	1850-60	
NOMINOR	NO. OF MINOR SECTS CHURCHES, 1850	1850-60	
ACOMINOR	AGGR. ACCOMMODATIONS OF MINOR SECTS CHUR	1850-60	
VALMINOR	TOTAL VALUE OF MINOR SECTS CHURCH PROPER	1850-60	
TONOCHRS	TOTAL NO. OF CHURCHES, 1850	1850-60	
TOACOCHRS	TOTAL AGGR. ACCOMMODATIONS OF CHURCHES,	1850-60	
TOVALCHRS	TOTAL VALUE OF CHURCH PROPERTY, 1850	1850-60	

Slaveholding data module

Category	Variable name	Variable description	Years
Slaveholders by Number of Slaves	NOSH1	NO. OF SLAVEHOLDERS HOLDING ONE SLAVE	1860
	NOSH2	NO. OF SLAVEHOLDERS HOLDING TWO SLAVES	1860
	NOSH3	NO. OF SLAVEHOLDERS HOLDING THREE SLAVES	1860
	NOSH4	NO. OF SLAVEHOLDERS HOLDING FOUR SLAVES	1860
	NOSH5	NO. OF SLAVEHOLDERS HOLDING FIVE SLAVES	1860
	NOSH6	NO. OF SLAVEHOLDERS HOLDING SIX SLAVES	1860

	NOSH7	NO. OF SLAVEHOLDERS HOLDING SEVEN SLAVES	1860
	NOSH8	NO. OF SLAVEHOLDERS HOLDING EIGHT SLAVES	1860
	NOSH9	NO. OF SLAVEHOLDERS HOLDING NINE SLAVES	1860
	NOSH10_14	NO. OF SLAVEHOLDERS HOLDING 10-14 SLAVES	1860
	NOSH15_19	NO. OF SLAVEHOLDERS HOLDING 15-19 SLAVES	1860
	NOSH20_29	NO. OF SLAVEHOLDERS HOLDING 20-29 SLAVES	1860
	NOSH30_39	NO. OF SLAVEHOLDERS HOLDING 30-39 SLAVES	1860
	NOSH40_49	NO. OF SLAVEHOLDERS HOLDING 40-49 SLAVES	1860
	NOSH50_69	NO. OF SLAVEHOLDERS HOLDING 50-69 SLAVES	1860
	NOSH70_99	NO. OF SLAVEHOLDERS HOLDING 70-99 SLAVES	1860
	NOSH100_199	NO. OF SLAVEHOLDERS HOLDING 100-199 SLAV	1860
	NOSH200_299	NO. OF SLAVEHOLDERS HOLDING 200-299 SLAV	1860
	NOSH300_499	NO. OF SLAVEHOLDERS HOLDING 300-499 SLAV	1860
	NOSH500_999	NO. OF SLAVEHOLDERS HOLDING 500-999 SLAV	1860
	NOSH1000PL	NO. OF SLAVEHOLDERS HOLDING 1,000 SLAVES	1860
Aggregate Slaveholding Values	TOTSLAVHOLD	TOTAL NO. OF SLAVEHOLDERS	1860
	TOTSLAVES	TOTAL NO. OF SLAVES	1850, 1860
	AVGNOSLAVE	AVERAGE NUMBER OF SLAVES PER SLAVEHOLDER	1860

Voting data module

Voting Year	Variable lable	Variable description
1840	40DEMPER	Democratic Vote as Percentage of Total, 1840
	40WHIGPER	Whig Vote as Percentage of Total, 1840
	40OTHER	Other Vote as Percentage of Total, 1840
	40TOTVOTE	Total Number of Votes, 1840
	40TOPERC	Total Percentage of Voter Turnout, 1840
1844	44DEMPER	Democratic Vote as Percentage of Total, 1844
	44WHIGPER	Whig Vote as Percentage of Total, 1844
	44LIBPER	Liberty Party Vote as Percentage of Total, 1844
	44OTHPER	Other Vote as Percentage of Total, 1844
	44TOTVOTE	Total Number of Votes, 1844
	44TOPER	Total Percentage of Voter Turnout, 1844
1848	48DEMPER	Democratic Vote as Percentage of Total, 1848
	48WHIGPER	Whig Vote as Percentage of Total, 1848
	48FRSOILPE	Free Soil Vote as Percentage of Total, 1848
	48OTHPER	Other Vote as Percentage of Total, 1848
	48TOTVOTE	Total Number of Votes, 1848
	48TOPER	Total Percentage of Voter Turnout, 1848
1852	52DEMPER	Democratic Vote as Percentage of Total, 1852
	52WHIGPER	Whig Vote as Percentage of Total, 1852
	52WHIGQPE	Whig Equivalent Vote as Percentage of Total, 1852
	52FRSOILPER	Free Soil Vote as Percentage of Total, 1852
	52OTHPER	Other Vote as Percentage of Total, 1852

	52TOTVOTE	Total Number of Votes, 1852
	52TOPER	Total Percentage of Voter Turnout, 1852
1856	56DEMPER	Democratic Vote as Percentage of Total, 1856
	56REPPER	Republican Vote as Percentage of Total, 1856
	56REPEQPER	Republican Equivalent Vote as Percentage of Total, 1856
	56AMERPER	American Party Vote as Percentage of Total, 1856
	56OTHPER	Other Vote as Percentage of Total, 1856
	56TOTVOTE	Total Number of Votes, 1856
	56TOPER	Total Percentage of Voter Turnout, 1856
1860	60DEMPER	Democratic Vote as Percentage of Total, 1860
	60REPPER	Republican Vote as Percentage of Total, 1860
	60DEMEQPER	Democratic Equivalent Vote as Percentage of Total, 1860
	60CONSTPER	Constitution Party Vote as Percentage of Total, 1860
	60OTHPER	Other Vote as Percentage of Total, 1860
	60TOTVOTE	Total Number of Votes, 1860
	60TOPER	Total Percentage of Voter Turnout, 1860
1864	64DEMPER	Democratic Vote as Percentage of Total, 1864
	64REPPER	Republican Vote as Percentage of Total, 1864
	64OTHPER	Other Vote as Percentage of Total, 1864
	64TOTVOTE	Total Number of Votes, 1864
	64TOPER	Total Percentage of Voter Turnout, 1864
1868	68DEMPER	Democratic Vote as Percentage of Total, 1868
	68REPPER	Republican Vote as Percentage of Total, 1868
	68OTHPER	Other Vote as Percentage of Total, 1868
	68TOTVOTE	Total Number of Votes, 1868
	68TOPER	Total Percentage of Voter Turnout, 1868
1872	72DEMPER	Democratic Vote as Percentage of Total, 1872
	72REPPER	Republican Vote as Percentage of Total, 1872
	72DEMEQPER	Democratic Equivalent Vote as Percentage of Total, 1872
	72OTHPER	Other Vote as Percentage of Total, 1872
	72TOTVOTE	Total Number of Votes, 1872
	72TOPER	Total Percentage of Voter Turnout, 1872
1876	76DEMPER	Democratic Vote as Percentage of Total, 1876
	76REPPER	Republican Vote as Percentage of Total, 1876
	76GREENPER	Green Party Vote as Percentage of Total, 1876
	76OTHPER	Other Vote as Percentage of Total, 1876
	76TOTVOTE	Total Number of Votes, 1876
	76TOPER	Total Percentage of Voter Turnout, 1876
1880	80DEMPER	Democratic Vote as Percentage of Total, 1880
	80REPPER	Republican Vote as Percentage of Total, 1880
	80GREENPER	Green Party Vote as Percentage of Total, 1880
	80OTHPER	Other Vote as Percentage of Total, 1880
	80TOTVOTE	Total Number of Votes, 1880
	80TOPER	Total Percentage of Voter Turnout