

Sociology 213 Social Demography
Lab #1 directions

Beforehand:

Register as a user of IPUMS: <http://www.ipums.umn.edu/usa/data.html>, online registration
Look over the variables available in IPUMS , <http://www.ipums.umn.edu/usa/vars.html>
Read pages 11-124 of Getting Started With Stata

Reminder: Importance of organization in data management.
Gzip

Part 1: Aggregate State Historical Census Data

Windows explorer

make a new directory, lab1
Is lab1 visible in Windows explorer?
[you can also copy using explorer]

Internet explorer

Download lab1.zip from the course web page. Back click on lab1.zip and choose "save target as". Save the file in lab1. Double click on the file in windows explorer to unzip it.

MS-Word:

Open up s1870.txt.
This is the raw data.

Stata:

Invoke stata and move to the lab1 directory
Log using lab1
Input 1870 census data for the following 3 states manually. [watch]
state total white colored bis
ALABAMA 996992 521384 475510 744146
ARKANSAS 484471 362115 122169 232882
CALIFORNIA 560247 499424 4272 169904

Save this as s1870a

Another example: grab this data directly from the word document and drop it into the stata editor

```
clear
infile s1870.txt: "infile str20 state total white colored bis using s1870.txt"
List
Des
Append using s1870a
Save s1870, replace
#review
```

In Netscape/explorer

Capture the 1880 data from <http://fisher.lib.virginia.edu/census/>

Watch how I do it:

Select the year, select the variables (white, non-white, born in state, but notice the other variables),

Highlight the data, copy it to word

[How to get county data?]

Save the word file as a text file, s1880.txt

Close the word file.

MS-Word:

Edit the file s1880.txt
Eliminate the commas between numbers (watch how I do it)
Eliminate the spaces within state names (replace with _)
replace _M_ with .
Save s1880.txt

Make a do-file to input the data from s1880.txt in MS-Dos Edit.
See the do-file example s1880.do

```
----example do file for s1880.do---
capture log close
log using s1880, replace
clear
infile str20 state total white colored bis using s1880.txt

save s1880, replace

lab var total "total population"
lab var white "white population"
lab var colored "non-white pop"
lab var bis "born in this state"

gen pctbis=bis/total
gen pctwt=white/total
lab var pctbis "pct born in state"
lab var pctwt "pct white"

des

sort pctbis
list state total pctbis
```

Stata

Run the file s1880.do: "do s1880"

You now have state data on population by race for 1870 and 1880.

Lab Assignment #1:

1. a. Make a State-level Stata data set on population by race for 1900, 1920, and 1960 [assign 1 of the three]
- b. Calculate the racial composition of each state and the percent born in the state.