joining data and producing pretty and interesting thematic map(s)
due in 2 weeks

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1. Email me: a thematic map (or maps!)

2. you must map 2 variables (so typically you'll have 2 maps, but can also have 2 vars in one map); These 2 variables must not come from the gis data, but you must merge(join) them from traditional data sets from 2 different places; if you cannot find such traditional data, email me; again, to repeat, regular (say csv) data has to come from 2 different files, say FBI and Census, or say WHO and World Bank, etc; the bottom line is that you have to perform merge(join) twice

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GENERAL NOTES (always the same):

ALWAYS SUBMIT:

- the maps(s) (pdf), can be combioned in one file with "metadata" and "journal"
- all data: raw gis data (e.g. .shp .dbf and .shx and others if any), and any other data (e.g., .csv, .xls) that you used to produce a map
- "metadata" (pdf or txt) containing at least: what is U/A; # of obs; data source name, including url; can combine with "journal" if you like
- "journal" (pdf or txt) that briefly enumerates (and perhaps explains) steps you've taken, any problems you've encountered

GENERAL IDEAS (binding from PS3, but can try earlier):

- the map needs to be "pretty" (syllabus: pretty.pdf): must have legend, title, cut decimal points, make fonts small, etc)
- the map must be "interesting" (syllabus: pretty.pdf, final_project.pdf): ask yourself the "so what?" question; esentailly, you need to tell as story with your map
- in addition to submission, you will present the map in class (max 10min; i will cut you off!)

TIPS:

- start early; start tomorrow or the day after tomorrow or tonight! otherwise you'll forget it...and then, next week polish it
- use your (gis) data–again, if you do not have dataset, have a look at data_sources.csv from the class, or email the listserv
- you cannot use the data I used in the class (or that I am using in the slides posted on the website for the future classes)
- assignments are due by the beginning of the class by email to me
- the only allowed format for output is pdf and txt (no ms word etc)
- if you choose to work in a group, write down the names of people you worked with; otherwise we'll subtract points

BASICS:

- best make all submissions by emailing me link to your google drive, dropbox, wordpress, etc; you should be able to automatically have google drive grab contents of your directory on your hard drive (http://www.howtogeek.com/228989/how-to-use-the-desktop-google-drive-app/; http://www.pcworld.com/article/3057217/google-apps/how-to-use-google-drives-selective-sync.html), so submission is almost automatic–just need to email me the link
- files names must not have spaces
- for big files (that do not fit into email) use something like wordpress or dropbox and give us the link
- do not double-zip (zipped file in a zipped file)
- send only one email as ps submission (do not send many emails with parts of the ps)
- per url's give exact addresses, not just generic (e.g. http://census.gov)- i must be able o find it; sometimes there is no generic URL–then give steps: what I need to click