

Analytical and Computer Cartography

GEPL 4520-5520

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April 15, 2004

Assignment 9 - 10

40 Points

- Assignment:** Ahhh, your final assignment. Actually 2 final assignments. I have combined the last 2 assignments. You have made many maps over the last semester. You will now make 2 more maps; one big, one small. You will make a poster map that will include your reference map and 4 thematic maps. The 4 thematic maps will use the 4 techniques for thematic mapping, choropleth, surface or contour, proportional symbol, and dot. These maps will accompany your reference map. But, that is only half, you will need to fit your 4 thematic maps onto a single 8 1/2 X 11 sheet of paper, and black and white as well. These 4 maps must map the same variable as the poster size map, though you can chose how you map the variable to suit the change size and color, or lack there of. You will print the small maps but not the large poster. And one final point. On the poster please include a statement, a few lines about the variables, site, source and observations you have made. Do not include these comments on your small maps. Each small maps needs to be considered a map on its own, meaning the elements of a good map must be found on each small map. In the case of the poster, you need to address the elements in context of your layout. For instance will one north arrow do, and can you safely use one scale or must you use a scale for each map image.
- Due:** **May 7, 2004**
- Where:** Hand in one printed map the single page with all four small maps NO POSTER will be printed. As always make Jpeg all of the maps and email them to james.coss@utoledo.edu.
- Points:** **40**
- Purpose:** You will have to make big and small maps through out your career. This exercise will force you to run the entire gambit of maps sizes.
- Tools:** Computer with ArcView or ArcGIS. I have required in the past that we work on ArcView only. You may choose if you like to use ArcGIS there should be little problem if you are familiar with ArcGIS however, if you feel more comfortable with ArcView by all means continue using that software. I would like to see you using ArcGIS but it is not a requirement.
- Grading Points:** Good clean maps that communicate clearly and accurately your variable. I am looking also at your command of your mapping skills. Your confidence in mapping comes out in how well you control the elements, and your design choices. Can you make the map do what you want it to do? I am looking also for good comments on your poster and camera ready art printed on a single sheet. I will also be looking at only a Jpeg of your poster so make sure you don't give me an ugly high compression jpeg.
- Corpus:** The final assignment combines many elements. If you choose to change your mapping software that is one element. Changing software is likely to happen to you when you enter the field. You will find legacy software that you will have to work to make maps with, only to have to change over to new software halfway through the project. Other elements include consideration of mapping elements that maximize legibility given the dramatic changes in sizes of media. As always I leave to you choice of what you want to map. Good luck