Analytical and Computer Cartography
GEPL 4520-5520
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Assignment 6

Assignment:
To create a series of dot maps with a feature you geocode. You will create 10 maps that all have the same layout. 5 of the maps will have a single feature mapped 5 will have 2 features maps using different dot symbols.
You will decide on the appropriate data to map in a dot map, you will then locate the addresses of some feature that you will decide upon. The maps you make will differ based on the changes you make to the data and its portrayal and not on changes in the layout. The layout needs to be the same for each map. The feature you choose to geocode should have some relation the population. For instance you might, if you have a population of children in your data set, map schools. All maps will have a title and a caption. The caption will explain your data briefly.

Due: **Mar 11, 2004**

Where:
Hand in printed maps all 10 in class, and email Jpeg all 10 of the maps to james.coss@utoledo.edu.

Points: **20**

Purpose:
This map assignment is designed to make you consider several elements of dot maps. Of course the layout, but how changing the symbols effects you map, your communication. Also your choice of geocoded feature needs to be relevant to the data you will be mapping. Also, you will need to make many maps I want you to consider the static layout dynamic data display available in ArcView.

Tools:
Computer with AreView, and Street Map 2000 and a phone book or any online source that you can get addresses .

Grading Points:
Layout complete with all elements found on a good map N.-Arrow, Scale, Neat line, Title, Caption
10 Significant changes between the data display.
A geocoded feature set of at least 25 features that shares a connection to the data you are mapping with the dots.

Corpus:

You are going to start making thematic maps exclusively from now till the end of class. This first map assignment will force you to work with absolute data and the problems of mapping that data, as well you will need to find a some address data and use ArcView to geocode it. This assignment is designed to make you considered what elements in a dot map you can change to best communicate your information. I want you to create a good layout and use it over and over for the 10 maps. I don't want 10 different looking map layouts, we are trying to focus on the data and its display not the layout. So that layout needs to be good and the same between all the maps. ArcView makes this easy. Geocoding you will need to geocode at least 25 features like schools or restaurants or firehouses. The phone book or online sources will give you that data. You will use street map 2000 as your geocoding source, for you data. You will need to email me jpegs of all of your maps as well as print up the 10 maps. I need both a caption and a title.