



AUBURN
UNIVERSITY

BIOSYSTEMS ENGINEERING

BSEN 5220: GIS Assignment II

Laboratory Assignment Six

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Questions & Answers

1. You will see several data frames in this map document. How many data frames are there?
 - a. There are five different data frames present: Topography, Wildlife, Countries, Rivers, & Major Cities
2. Select any data frame, right click on it, and select properties. You will notice that data frames have their own properties similar to properties of spatial data sets. List the name of different tabs in the properties window.
 - a. General
 - b. Data Frame
 - c. Coordinate System
 - d. Illumination
 - e. Grids
 - f. Feature Cache
 - g. Annotation Groups
 - h. Extend Indicators
 - i. Frame
 - j. Size & Position

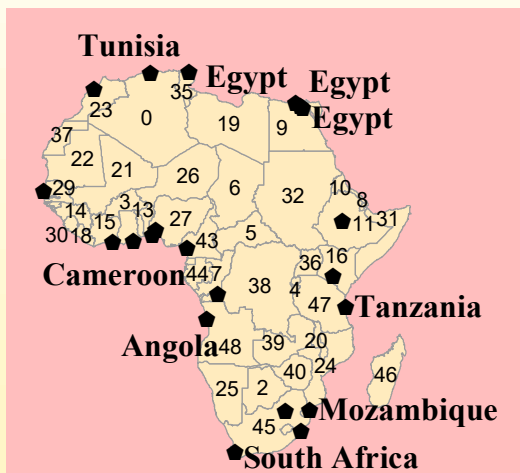
Lessons Learned

This laboratory assignment had two objectives: to learn how to symbolize features using their categorical attributes and to learn how to create layer files. The objectives were successfully met upon the completion of the assignment. One of the difficulties encountered at the beginning of the assignment was activating the data frames. By forgetting to activate a data frame before trying to work within the major cities data frame, the changes that were made to the map was not visible while working in the data view. This was an action within GIS that was learned during the first laboratory assignment, and if forgotten, made working in the maps more difficult. Using the styles was also a bit more difficult than some of the other tasks specified in the laboratory assignment. Without expanding the options in the symbology tab and adding each of the symbols, you would not be able to see the elephant, giraffe and zebra animal types in order to individually change the symbols for those to show up on the map.

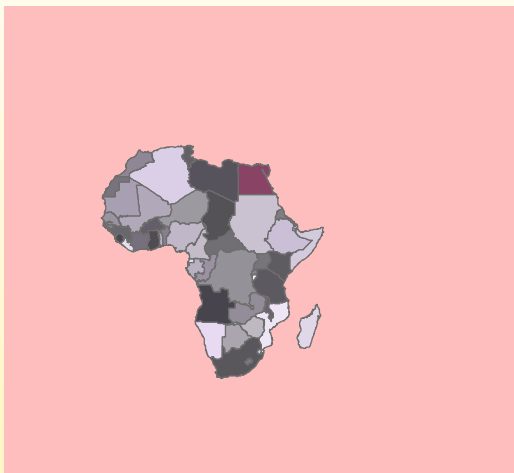
Successes from the lab included learning how to rotate titles layout view to label each of the five maps rendered from the data frames. Working with the symbology and learning how to identify color changes, changing the colors of the background and individual countries, and learning how to insert a neatline feature in order to add a background color in layout view were all successes of working within this lab. By meeting the objectives and following the directions for the laboratory assignment, new GIS capabilities were learned.

AFRICA ATLAS

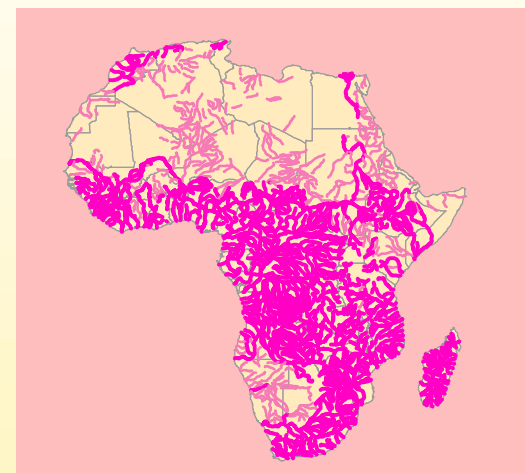
MAJOR CITIES



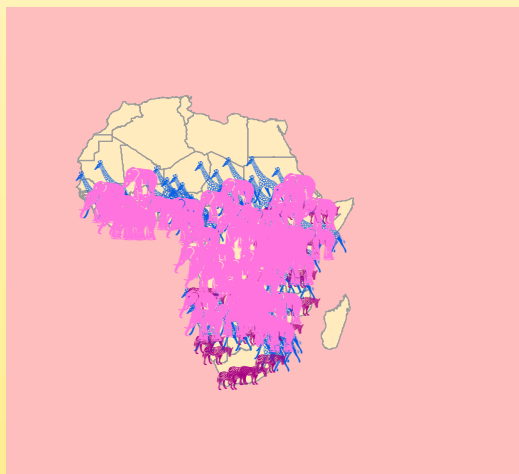
COUNTRIES



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TOPOGRAPHY

