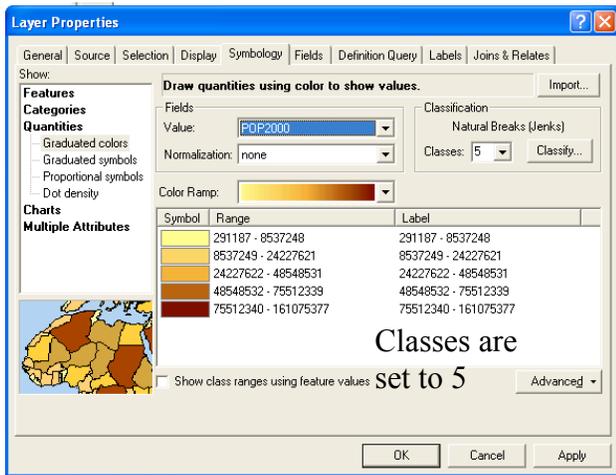
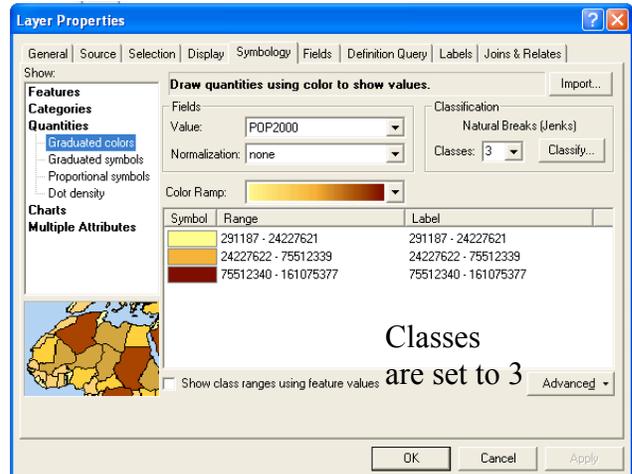
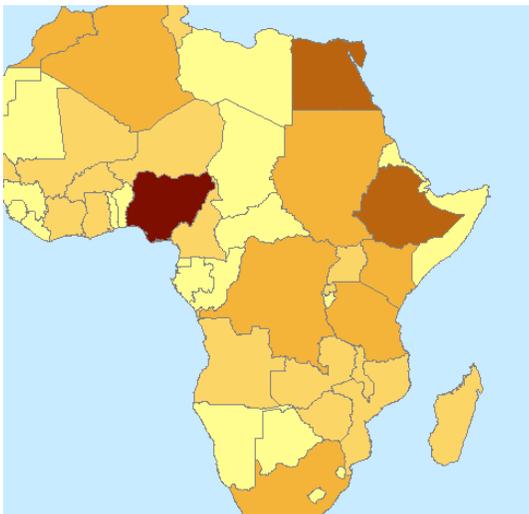
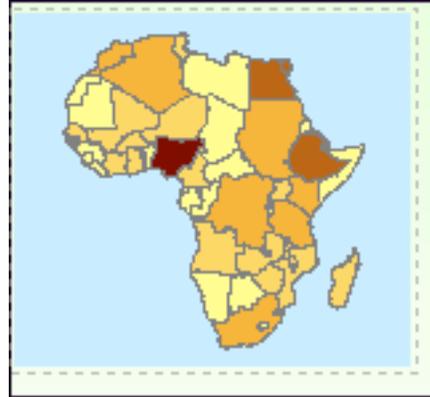


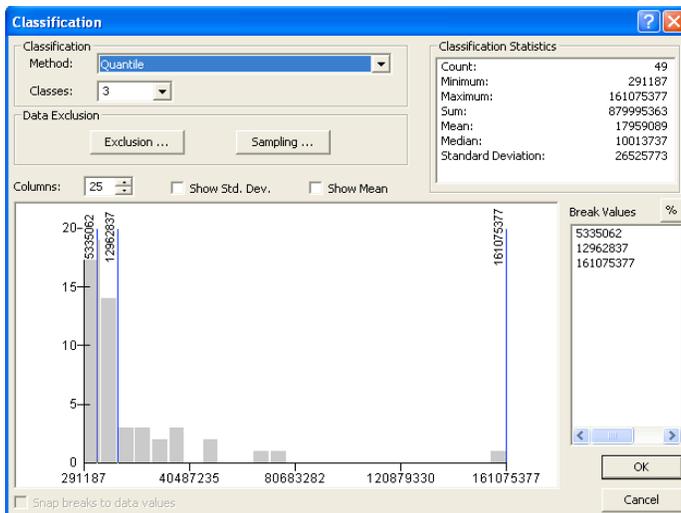
## Chapter 6: Classifying features and rasters 6A



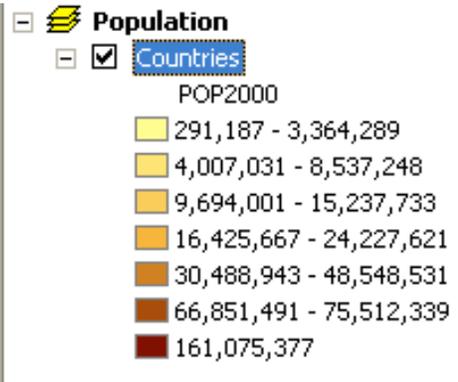
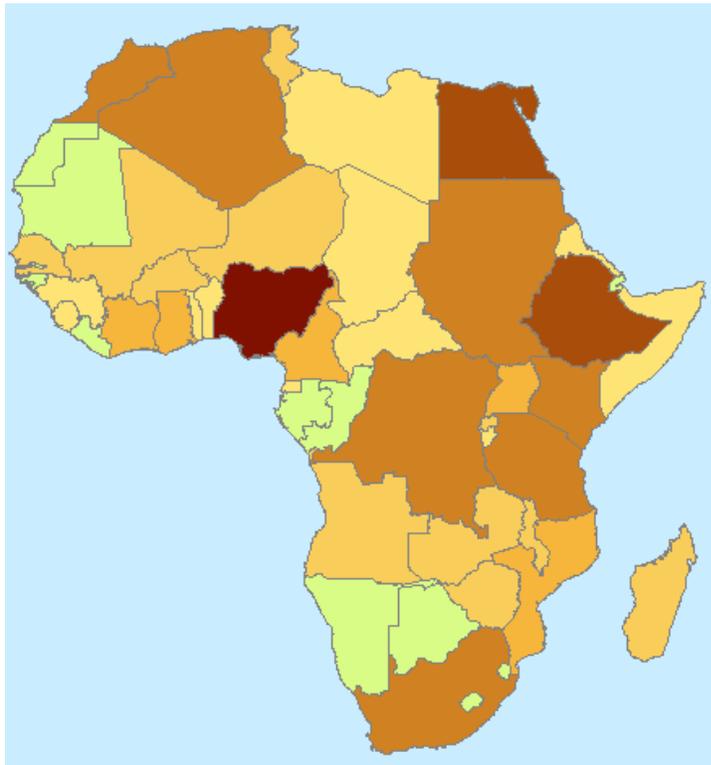
This map is to display population distribution.



When classes are set to 3 the map doesn't have enough classes to properly represent the data

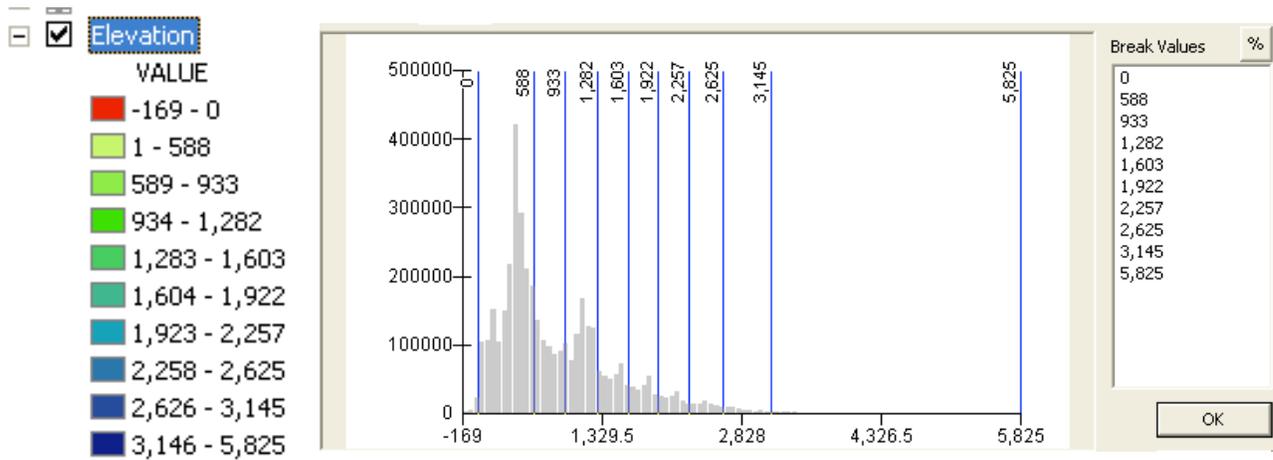


What we will do is increase the classes size to 7, which will represent the data far more dramatically.

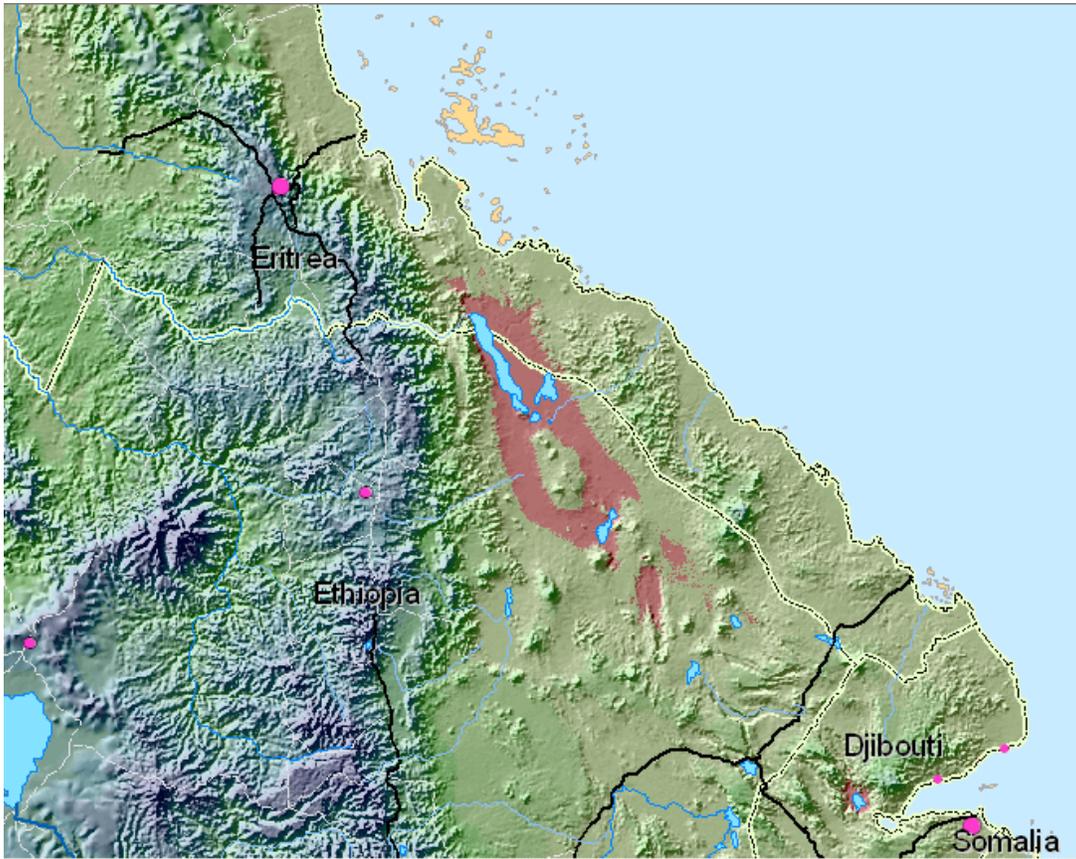


Now we have a much better map, that is represented in 7 different population bands. The lightest yellow on the color ramp was changed to light green to provide better contrast.

6B



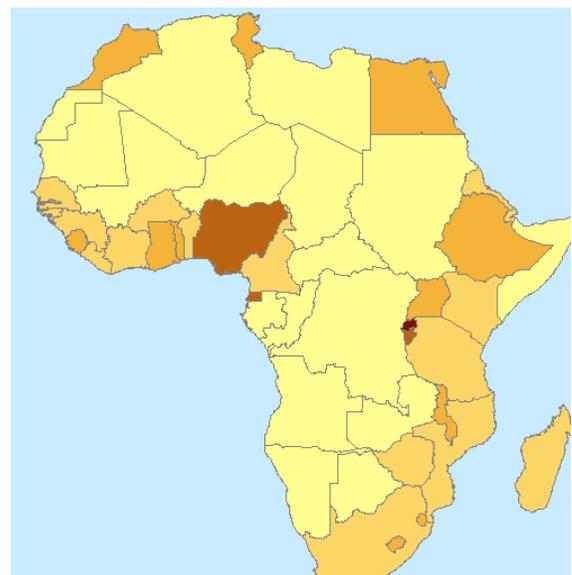
This map will work with topography. Again the Hillshade and Elevation layers will be utilized. If we only use 5 classes our bottom class in elevation would represent elevation -169 ft. to 442 ft. we would like our map to have the first band of elevation -169 to ground level. You can see in the dialog box above we have set the break values to 0.



The final product we can clearly distinguish the aspects of land that are below sea level (reddish color).

6C

This map will display population density. We will change the layers on the countries layer to dot density which is under *Show:* Qualities We will use the POP2000 field as it is the latest. We can experiment with the dot densities to see how our map will look.





The above examples show how varied adjusting the dot value can cause the map to change. On the left a dot represents 2,000,000 people while the right map a dot will represent 750,000 people. The dot size was maintained at a standard 2.

6D

General | Source | Selection | Display | Symbology | Fields | Definition Query | Labels | Joins & Relates

Show:

Features

Categories

Quantities

- Graduated colors
- Graduated symbols**
- Proportional symbols

Charts

Multiple Attributes

Draw quantities using symbol size to show relative values. Import...

Fields

Value: SIZE\_RANK

Normalization: none

Classification

Natural Breaks (Jenks)

Classes: 3

Classify...

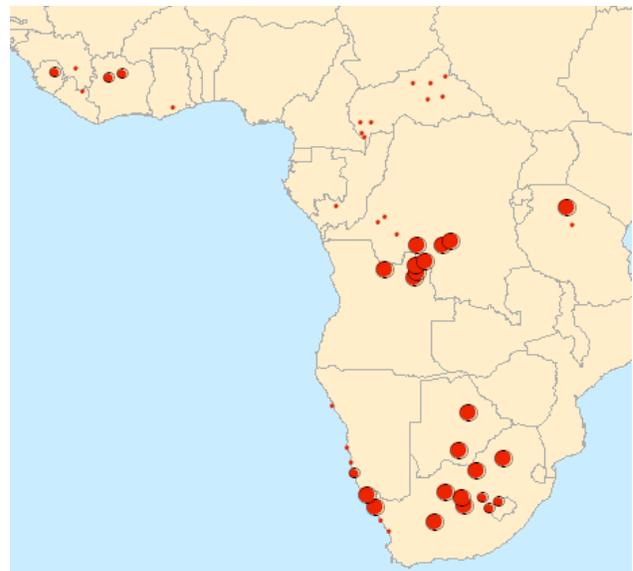
Symbol Size from: 5 to: 16

Symbol	Range	Label
•	1	1
♦	2	2
♦	3	3

Template

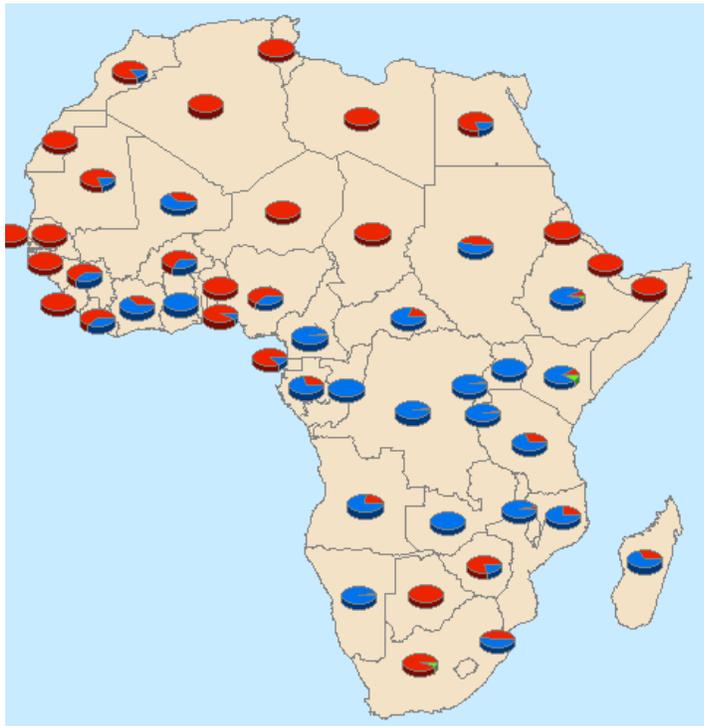
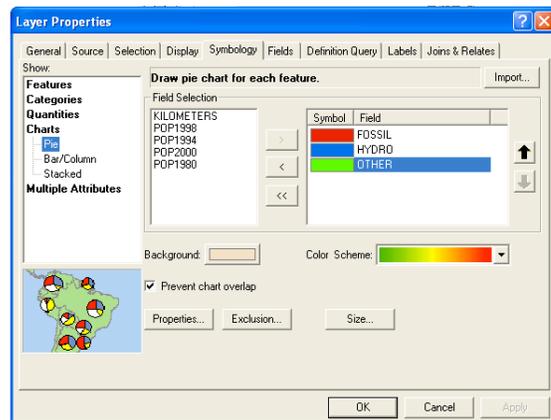
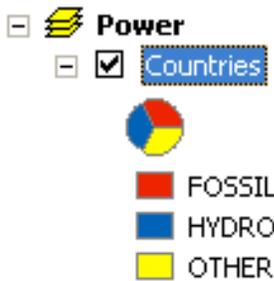
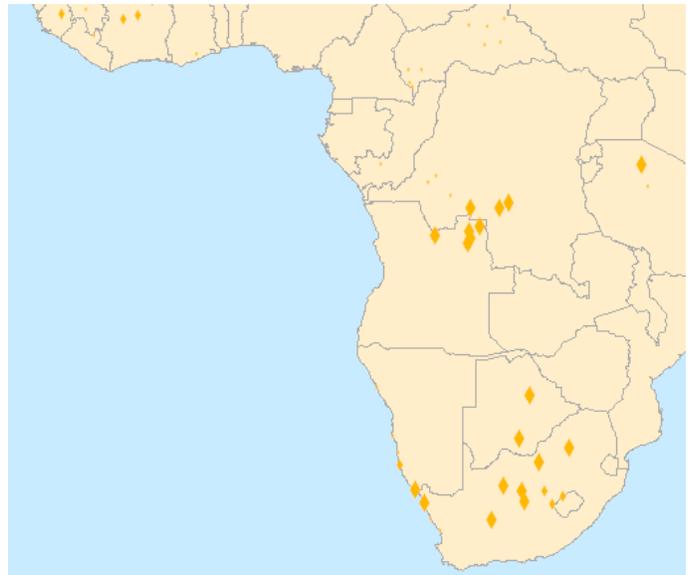
Show class ranges using feature values

Advanced



Above we can see Qualities are chosen and the Graduated symbols are chosen. There will be 3 size of dots.

We changed the map to a yellow diamond symbol to represent the size of the diamond mining operation. They represent the three sizes of diamond mining operations.



As you can see our last map deals with sources of energy. The will be represented with a pie chart representing fossil fuel, hydro electric power and all other types of power. We change the color to for better representation.

Pau!