

1. How do we Grade Homework #1:

- The handed works should include 5 maps and 2 written answers for the two questions. Each map is with 16 points, and each answer writing is worth 10 points. The criteria for grading the maps are the same as what we described in the comments for Lab 1 &2. The criteria for grading report write-ups are the same as the requirements listed in the homework questions, which include: a) Write your answers as a report, instead of list of isolated answers; b) Give your data processing procedures; c) Describe your findings; d) Shortly explain your findings.

2. The General evaluation of Homework #1:

- From the handed homework, we can see that the class has made progress in data processing and map making. Some students have learned to use maps freely to express their study thoughts, and use carefully designed layouts to express a group of related contents. Almost all of the students have noticed the importance of such map elements as data sources, map producer, map date, scale bar, north arrow, etc. Most of the students have grasped the skills to manage the Legends in a meaningful way: give legend a meaningful title, give each layer a meaningful name, and label the classification methods.

3. Common Questions in Homework #1:

- **Inappropriate scale bar unit:** When the region size is as big as a Metropolitan area, feet or meter is not an appropriate distance unit any more. In this case, we need choose miles/Kilometers as distance unit.
- **Confusing Layer name in the Legend:** The legend is designed to explain to people what are the meanings of the elements in your map, but some people used "road.shp", "P070008", etc. as layer name in the Legend, which caused confuses about your map. So when making the maps, carefully choose your map's layer name in the Legend.
- **No Classification method:** Till now, all of us should have understood "how to lie with maps": use a specific classification without telling the classification method. The same data when displayed with different classification methods in a map will give people different impressions. So if you want your readers not misled by your map, tell them your classification method and/or distribution of your data.