

**Assignment 8. Mapping Place using Census, American Community Survey, & RLIS data**

This assignment is a computer based mapping project that is designed to give you experience exploring taxlot, zoning, demographic, and community data. You will work create maps of various attributes (income, age, ownership, etc) of old town/Chinatown and Pearl district areas where you conducted field surveys previously. Each person will produce their own map(s) of the area.

1. Using RLIS (Regional Land Information Systems) data from Metro, add the following layers onto an ArcMap document:
  - Taxlots (taxlots folder)
  - Blockgrp2010 (census folder)
  - Streets (streets folder)
  - Any other layers for context (Stm\_fill, etc)
2. Using the Identify tool, explore the taxlots within your transect. Look specifically at owner (1,2,3), Owneraddr (Owner address), yearbuilt, landval (land value), bldgval (building value). Questions to answer when looking at the data:
  - Is the building owner occupied? Where does the owner live – locally or not?
  - Does the year built correspond to what you saw in the field?
  - Does the land use type correspond to what you saw in the field?
  - Do you find any patterns in the land & building values along your transect?
3. Using the taxlot data set, create a map (with transect in the center) of zoning based on the LANDUSE column in the attribute table.
4. Explore the blockgrp2010 dataset (this is showing the 2010 census data for block groups). The entire area that the class studied in the field is grouped into one Block group (from the River up until NW 12<sup>th</sup> avenue, and from Burnside to Glisan). Questions to answer when looking at the data:
  - What is the population of this area? How does that compare to other parts of the city?
  - What is the ethnic breakdown of the area? Is it more or less diverse than other areas of the city (be specific about the area you are comparing)?
5. Use the American Fact Finder to get additional data from the American Community Survey to include in your analysis (at block group level). Some examples include:
  - Median age or age distribution
  - Median income or income distribution
  - Travel time to work
  - Distribution of males/females
  - Household type
  - Marital status

- School enrollment
6. Questions to consider while looking at American Community Survey data:
- Is it what you expected based on your knowledge of the area (from your fieldwork)?
  - How does this area compare to the rest of the city?

**Deliverables.**

1. An essay (about 250-500 words) that addresses the questions addressed above, and also think about:
  - How does this data help to inform you about old town/Chinatown and the Pearl District?
  - Based on the data you collected in the field, does this data tell the same 'story'?
  - How can these two data collection methods complement one another?
2. Map of Land Use
3. Table of Census/American Community Survey data (pop, race, ethnicity, other variables) for the Block Group
4. Any other maps that you think are informative for the area