

**Community Census & Redistricting Institute**  
**Redistricting Expert Preparation Program for Political Cartographers**  
**Redistricting Project Exercises**

**Exercise 1**

Using blocks groups for the City of Miami, determine the highest latino percentage (using total voting age population) that you can obtain in a district (anywhere in the city). The district should be designed for a 5 member commission (**Disclaimer: this is not normal procedure and is only for exercise purposes**).

Only use the following redistricting criteria:

- Equal Population
- Contiguity

**Exercise 2**

Using block groups for the City of Miami, create a district with the best compactness measure (use Population Circle measure) and the highest latino percentage (anywhere in the city).

Only use the following redistricting criteria:

- Equal Population
- Contiguity
- Compactness (Population Circle)

**Exercise 3**

Using block groups the County of Hendry, develop a 5 member county council map at the block group level.

Only use the following redistricting criteria:

- Equal Population
- Contiguity

**Exercise 4**

Using block groups for the County of Hendry, review the paper map, title exercise 4, and recreate the 5 member county council map at the block group level.

**Exercise 5**

Using block groups and blocks develop a 5 member county commission plan for the County of Lafayette, FL. Assume that the county has worked with the Census Bureau to match their neighborhoods with the county's block groups.

Only use the following redistricting criteria:

- Equal Population
- Contiguity
- Communities of Interest (neighborhoods)

**Community Census & Redistricting Institute**  
**Redistricting Expert Preparation Program for Political Cartographers**  
**Redistricting Project Scenarios**

**Scenario 1**

Develop a 5 member council plan for the City of Miami, FL using Census Tracts. Be sure to not split neighborhoods as much as possible.

Only use the following redistricting criteria:

- Equal Population
- Contiguity
- Communities of Interest (neighborhoods)

**Scenario 2**

Develop a 5 member council plan for the City of Miami, FL using Census Tracts. Be sure to not split neighborhoods as much as possible. Also, the courts have mandated that the plan includes two (2) Latino districts and one (1) African American district (use over 50 VAP).

Only use the following redistricting criteria:

- Equal Population
- Contiguity
- Communities of Interest (neighborhoods)

**Scenario 3**

Add the incumbents to the map and perform Scenario 3 ensuring that the incumbents are located in their respective districts. You must create a new layer by address matching the incumbent spreadsheet.

Barbara Jackson – African American districts

Mary Lacinta – Latino district

Juan Coria – Latino district

**Scenario 4**

The City of Miami has just moved to a partisan system. You have been contracted to develop a plan that provides for three (3) districts that favor the democrats and two (2) districts for the republicans. The partisan districts should be at least 55% (of the Obama or McCain vote). You must create a new Census Block layer with the old population data as well as the disaggregated precinct data. Use that new layer in place of the old Census Block layer.

Only use the following redistricting criteria:

- Equal Population
- Contiguity
- Communities of Interest (neighborhoods)