

SOC 4650/5650: Lecture Prep 08 - Centroids

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March 19th, 2018

Directions

Complete all of the steps in Chapter 4 of Gorr and Kurland (2016) on pages 157 to 159 - these are the first three section under Tutorial 4-5 - "Creating centroid coordinates in a table". A replication video will be posted on YouTube. Your map file (.mxd) should be uploaded to your GitHub assignment repository in the LecturePreps/LP-08 directory by 5:00pm on Wednesday, March 21st, 2018.

Additions and Changes

1. Before the first step on page 157, add the tl_2010_04013_tract10.shp shapefile from DataLibrary/GISTutorial/MaricopaCounty. Save the map file with the tract added to LecturePreps/LP-08.
2. Skip question two on page 157 (asking you to remove joins).
3. On page 158, in the section called "Export a table", you will need to create a geodatabase in your LecturePreps/LP-08 directory for this section and the subsequent section. In your Catalog window, right click on the LP-08 folder and select New > File Geodatabase. Name it lp-08 or similar and make sure it is saved in the LP-08 folder.
4. On page 158, on step 4 of the section "Create a feature class from an XY table", do not click the Add Coordinate System button. Instead, search for NAD 1983 in the XY Coordinate System tab. Then, in the main window, drill down in the Geographic Coordinate Systems folder to North America and then select NAD 1983 before clicking OK.
5. On page 159, on step 8 of the section "Create a feature class from an XY table", zoom into the dense area of points on the lower right-hand side of the main centroid cluster. Then skip step 9.
6. On page 159, at the end of the section titled "Create a feature class from an XY table", export a map image as a .pdf file at 300 dpi.