

BCM3173 – 1617-I

LAB TASK: EXPLORING SPATIAL ANALYSIS

In this lab task, you will be exploring the basic spatial analysis process. The instructions are provided as follows.

1. Examining data
 - a. Download Analysis.zip (this file is available in the facebook group). Unzip the folder.
 - b. Open ArcMap > Connect to folder > Census.gdb
 - c. Add the Travis and Williamson feature classes into your map. Then add the Demographics table.
 - d. Examine and compare the attributes of Travis (or Williamson) with the Demographics table. Is there any common field?

2. Merging Data
 - a. Merge Travis and Williamson into a single feature class and name the feature class as Block_Groups. Hint: Geoprocessing > Merge
 - b. After the new Block_Groups layer is added to your map, remove the Travis and Williamson layers.
 - c. Add a new short integer field to the Block_Groups and name it as STORE_ID. Hint: Open attribute table > Options > Add field
 - d. Save your map document as YourName18Oct.mxd (example: MichaelJackson18Oct16.mxd). Save it frequently and make it a habit.

3. Joining Table
 - a. Now you are going to join the demographics data to the census block polygons. Join the Demographics table to the Block_Groups layer. Hint: Right click on Block_Groups > Join and Relates > Join (Use the BLOCKGROUP attribute from Block_Groups layer and BG_ID field from Demographics table for the joining process).
 - b. Check the attribute table of Block_Groups to confirm that the data has been joined successfully.