Step one: change directory in all py file if needed.

The default path is C:\\GISTech\\Desktop\\66county if not this path please change them. All paths are written at the top of each py file.

Step two: run the pre\_process.py

Before running any program, make sure the zipped files are in the correct path and the folder name matches the path in the py file.

This program will do 1. unzip she downloaded zipped files

2. go through all files and make sure we have downloaded correct tables

for each county

Step three: run the step\_one\_merge.py

This will merge the separated 67 folders into one. So instead of 67 folder, we should have only one folder after this step

Step Four(Alternative): run the step\_two\_process.py

This step is not mandatory and can be used as an independent tool. This program will filter the ann file. Before running this program, we need to change the metadata, only keeping the attributes we want. This program will remove the unwanted in the ann file according to the metadata.

Step Five(Alternative): run the merge\_by\_condition.py

Again this step is not mandatory and can be used as an independent tool. This tool is used to join several attributes into one. For example we can use this to merge column ‘age under 5’, ‘age 5-10’, ‘age 10-20’ into one column called ‘age 0-20’.

Before running this program we need to create a join table. Here is an example:

Age 0-20

Age under 5

Age 5-10

Age 10-20

This will create a column called Age 0-20 and join the last three column into it.

Step Six: run the merge\_by\_row.py

Last step, this will join tables into one and create the final file.