

Independent Assignment 3: NY County Map

Objective: Create a dataset and map showing the counties in NY State with the state outline in UTM projection.

Suggested Steps:

1. Download the shapefiles COUNTIES and STATES from the x drive in class. Make sure you copy all the files!
2. These files are in Lat/Long with a Datum or 83 (Geographic Projection Nad 83). See Chapter 2 for how to tell the files that they are in this projection.
3. Determine the correct UTM zone number for eastern NYS and then project both files into UTM coordinates (see chapter 2 for help).
4. Select New York State from the states file and export it to a new shapefile. You can select by either clicking on the state in the map or by clicking on the state in the attribute table.
5. Then select all counties within NYS from the county file and export to new shapefile. I recommend selecting them by attribute and state name in the attribute table but you can also do it manually.
6. Draw map showing New York State only: use thick line for state boundary and thinner lines for county borders.
7. Print in either black and white or color map as long as county boundaries are clearly different from the state line. Hand in printed map.