

Independent GIS Project 5: Ski Area Map

Objective

Make a map that shows skiing opportunities within 100 kilometers (as the bird flies) of Albany, NY. Keep a lab manual (this can be a word document or handwritten notes) and write down the major steps you took from beginning to end. Don't include all the details on each command you used but include data sources and general steps so someone else can retrace your work.

Suggested Steps: (this is one approach that works, however, you may use any approach you like)

- Identify all ski courses within 100 km of Albany (you might have to use paper maps to find them or you can try www.iskiny.com or some other website).
- Determine their coordinates and create a point file with these locations that you import into ArcGIS or you can eyeball the locations onscreen using road intersections and other aids).
- Download road and town data or use the dataset I will give you from ESRI (same type as the county and state file I gave you before).
- Determine the minimum distance between Albany and each of the ski courses ('as the crow flies', see chapter 12).
- Make a map with Albany at the center.
- Label all ski courses with names and distances from Albany.
- Label towns and major roads so that it is somewhat clear how to get from Albany to any of these ski resorts.

Hand in the map (8½ by 11 inch color print) and a printout or copy of your lab manual (or handwritten as long as I can read it). The map will be graded based on the following criteria:

- Did you include all the requested items?
- Overall quality of your map (visual appeal, legibility, information display).
- Is your lab manual useful (as in: can I retrace your steps)