



Rocky Mountain Mapping Center

Examining Local Demographics with GIS - Answer Key

Author: Joseph J. Kerski, USGS, jjkerski@usgs.gov, 303-202-4315

- 1) [in the lkA files]
- 2) [in the grp files]
- 3) [in the sf1grp files . This data is for the entire state of South Dakota]
- 4) [2000]
- 5) [Open up the legend editor by double clicking on the roads legend.
Enter legend type = unique values & values field = cfcc2.
Then “Apply”.]
- 6) [A21 and A41]
- 7) [name, length, from node, to node]
- 8) [The roads table contains one record for every line segment in Todd county]
- 9) [7 records]
- 10) [688 records]
- 11) [longer]
- 12) [This table census data for the entire state]
- 13) [stfid]
- 14) [Fields from matching rows in the sf1 file are appended onto matching rows in the grp file]
- 15) [There are 7 records in the grp file:
Tract 940100 with block groups 1,2,3 and
Tract 940200 with block groups 1,2,3,4]

- 16) [By visually examining the new block group table]
- 17) [In the legend editor:
legend type = unique values & value field = Age_5_17]
- 18) [Tract 940100 blkgrp 1 Just NE of center]
- 19) [591]
- 20) [Blkgrp 4, tract 940200 Along NE border]
- 21) [Blkgrp 4, tract 940200]
- 22) [Blkgrp 4, tract 940200]
- 23) [33.7 – 34.1 %]
- 24) [Could be blkgrp 4 tract 940200 or
blkgrp 1 tract 940100]
- 25) [The first one had the highest percentage of age 5- 17 but
The second one has the larger number of age 5 – 17]
- 26) [The size property determined the size of the pie chart on the map]
[It is quite obvious that the dots in some blocks are much
more dense than others]
- 27) [The dot map displays density better. The graduated color maps
show relative totals better, and the pie charts show percentages
better]
- 28) [See above]
- 29) [Blkgrp 1 tract 940100]
- 30) [1646]
- 31) [88.6 – 93.8 %]
- 32) [48.6 %]
- 33) [There is a higher student-age population in the areas of higher
Native American populations]

- 34) [Perhaps Native Americans tend to have larger families]
- 35) [There are 7747 Native Americans, 1138 whites, 8 blacks, and 13 Asians. The white population lives mostly in the Eastern half]
- 36) [2]
- 37) [Ameri_es > 1200 and Age_5_17 > 400]
- 38) [blkgrp 1 tract 940100 & blkgrp2 tract 940200]
[North of central]
- 39) [1]
- 40) [Ameri_es > 1500 and Age_5_17 > 500]
- 41) [Tract 940100 Blk 1 - North Central]
- 42) [faddl – from address left taddl – to address left
faddr – from address right taddr – to address right]
- 43) [A black dot appears on the map at this address location]
- 44) [North West Mission]
- 45) [Todd St , Taft St , 1st St , and Roosevelt Ave]
- 46) [South]
- 47) [BIA Road 1 to US Hwy 18 East, to North on Taft St. to Right on Todd]
- 48) [Layout]
- 49) [A wealth of US Census data is available by county to analyze population distribution by ethnic group, gender, age, family size, and other factors]
- 50) [How to use Geocoding to find address locations on a map]
[How to join tables with a common data field]
[How to load census data from the internet into an ArcView project]

[Back to SGU GIS Course Home](#)

[U.S. Department of the Interior](#)

[U.S. Geological Survey](#)

[Rocky Mountain Mapping Center](#)

Maintainer: webmaster@rockyweb.cr.usgs.gov

URL: http://rockyweb.cr.usgs.gov/public/outreach/sgu/localdemographylesson_answers.html

Last modified: 4 March 2004