

Sample Assignments: Desktop Mapping

A supplement to "Interactive and Animated Cartography"
by Dr. Michael P. Peterson

#1: Map Projections (Computer: Quadra 840)

a) Use Geocart to create an Azimuthal Equidistant projection map centered on Honolulu. Scale to Page. Print at 300 dpi (choose Pict format).

b) Use Geocart to create a Sinusoidal Equal-Area projection map centered on the longitude for Honolulu. Scale to Page. Export as Illustrator 1.1 document. Open in Illustrator 5.5. Center title above map. Add your name at right-bottom.

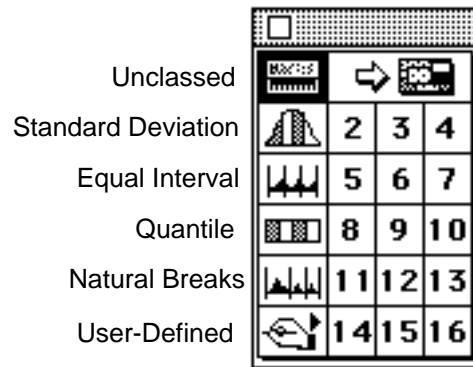
#2: Choropleth Mapping (Computer: Mac Ilcx or Mac SE/30)

a) Use MacChoro II v.1.1 or v.2.0 to map Infant Mortality data in 1982 for contiguous U.S. Use equal-interval and standard deviation classification. Add legend and title information, including title, description of data, classification method, and source. Print maps with 2, 4, and 6 classes. Use the "US48.data" file.

The steps:

- 1) Open the program.
- 2) Select **Open Data** from the **File** menu. Select the 'US48.data' file.
- 3) Move to the infant mortality data in the spreadsheet (column 2). Click on top of the column to enable.
- 4) Change classification to equal-interval. Select 2 classes. Select **Map** from

the **Map** menu or choose  from the following palette to draw the map.



5) Add legend, text, and neatline by first drawing a bounding box and then selecting the item to be drawn.