

36-315: Statistical Graphics and Visualization

Homework 11

Date: March 31, 2003

Due: start of class April 7, 2003

1. Color is frequently used in temperature maps. But how are the colors chosen? Check out the temperature maps at http://pasc.met.psu.edu/PA_Climatologist/index.php and http://pasc2.met.psu.edu/hourly/bothimages/alltemperature_countour.html.
 - (a) Does the color scheme used at this site fit into the three types described in class? Explain.
 - (b) Suggest a decent alternative color scheme from the three types in class. What advantage does it have over the existing scheme? What disadvantage does it have over the existing scheme?
2. The following web site contains a variety of statistical maps relating to the Internet: <http://www.cybergeography.org/atlas/census.html>
 - (a) Find a map on the page which has a good color scheme, and explain why.
 - (b) Find a map on the page which has a bad color scheme, and explain why. Suggest an alternative scheme.