Geography 3190

**Homework 2: Summary of Descriptive Statistics** *(due Monday Feb 15, beginning of class)* 15 pts

The dataset below is percent unemployment for the US by state in 1996.

- Alabama: 5.1
- Alaska: 7.8
- Arizona: 5.5
- Arkansas: 5.4
- California: 7.2
- Colorado: 4.2
- Connecticut: 5.7
- Delaware: 5.2
- Florida: 5.1
- Georgia: 4.6
- Hawaii: 6.4
- Idaho: 5.2
- Illinois: 5.3
- Indiana: 4.1
- Iowa: 3.8
- Kansas: 4.5
- Kentucky: 5.6
- Louisiana: 6.7
- Maine: 5.1
- Maryland: 4.9
- Massachusetts: 4.3
- Michigan: 4.9
- Minnesota: 4
- Mississippi: 6.1
- Missouri: 4.6
- Montana: 5.3
- Nebraska: 2.9
- Nevada: 5.4
- New Hampshire: 4.2
- New Jersey: 6.2
- New Mexico: 8.1
- New York: 6.2
- North Carolina: 4.3
- North Dakota: 3.1
- Ohio: 4.9
- Oklahoma: 4.1
- Oregon: 5.9
- Pennsylvania: 5.3
- Rhode Island: 5.1
- South Carolina: 6
- South Dakota: 3.2
- Tennessee: 5.2
- Texas: 5.6
- Utah: 3.5
- Vermont: 4.6
- Virginia: 4.4
- Washington: 6.5
- West Virginia: 7.5
- Wisconsin: 3.5
- Wyoming: 5

Assignment:

1) From start to finish provide a complete description of this dataset using descriptive statistics. Your answer should include the five points of data summary and interval-scale statistics learned in class.
   a. Provide a boxplot related to these data.

2) Group these data into four equal interval classes not based on the range, with a minimum of 2 and a maximum of 10.
   a. What is the weighted mean of your grouped data?
   b. Using SPSS provide a histogram, a frequency polygon, and a cumulative polygon of your grouped data.