

Homework 2: Summary of Descriptive Statistics (due Friday Sept 18, beginning of class) 15 pts

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

Alabama	5.1	Pennsylvania	5.3
Alaska	7.8	Rhode Island	5.1
Arizona	5.5	South Carolina	6
Arkansas	5.4	South Dakota	3.2
California	7.2	Tennessee	5.2
Colorado	4.2	Texas	5.6
Connecticut	5.7	Utah	3.5
Delaware	5.2	Vermont	4.6
Florida	5.1	Virginia	4.4
Georgia	4.6	Washington	6.5
Hawaii	6.4	West Virginia	7.5
Idaho	5.2	Wisconsin	3.5
Illinois	5.3	Wyoming	5
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		

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.