SAS Programming
Practice #2

Perform all parts of this problem in a single SAS program. Use two appropriate TITLE statements to designate each problem in the output and to include your name in the output.

Using the SAS DATA step, enter the data below in a SAS data set. You were asked to do this in Practice #1. You can open your Practice 1 program and edit it to do the following tasks.

Gender	Class	GPA
M	FR	3.25
M	JR	3.15
F	SO	2.89
F	SR	3.75
F	FR	2.21
M	SR	2.43
F	JR	3.09
M	JR	4.00

Gender	Class	GPA
F	SO	3.89
F	FR	3.5
M	SR	2.66
M	JR	2.39
M	FR	2.00
F	JR	3.22
M	SR	2.96
F	FR	3.20

Using the UNIVARIATE procedure, compute the default summary statistics values for GPA. . .

1. For the entire data set
2. For each gender using a CLASS statement. Include 96% confidence interval for the mean. Does this require the data to be sorted first?
3. For each classification using a BY statement. Include a histogram for the GPA variable. Overlay a normal curve on the histogram. Does this require the data to be sorted first?
4. Output the mean, median, minimum and maximum for GPA into data sets called CHECK1, CHECK2, and CHECK3 in each of the first three procedures. Print these data sets.
5. Try running the procedure with each of the following CLASS statements:
    a. CLASS gender class ;
    b. CLASS class gender ;
    c. Does the procedure run in cases a and b? What difference does it make in the output of the UNIVARIATE procedure?
6. Enter the Assignment 2 NBA data prior to next class. You will need it for the next in-class assignment.