

Homework# 10

All the data sets are in the folder 'J:\Classes\STAT46'
Provide the coding file only.

Exercise 1:

Question 1: Use the SAS data set College, to report the median of GPA and ClassRank broken down by school size (SchoolSize), using a BY statement.

Question 2:
Same as question 1 but using the CLASS statement.

Question 3:

Provide the code that produces the following table:

listing of Class_Mean

SchoolSize	_TYPE_	_FREQ_	N_Classrank	N_GPA	M_Classrank	M_GPA	Med_Classrank	Med_GPA
Missing	0	96	84	91	72.0000	3.49429	73.0	3.620
Large	1	18	15	16	72.8000	3.60938	71.0	3.610
Medium	1	41	38	39	69.5789	3.54051	70.5	3.660
Small	1	37	31	36	74.5806	3.39306	79.0	3.415

Question 4:

Provide the code that produces the following table:

Summary Statistics added to the output Table

	Mean				Mean			
	ClassRank				GPA			
	SchoolSize			All	SchoolSize			All
	Large	Medium	Small		Large	Medium	Small	
Gender								
F	70.00	67.95	75.95	71.57	3.59	3.61	3.42	3.52
M	76.00	71.81	71.70	72.67	3.63	3.46	3.32	3.45
All	72.80	69.58	74.58	72.00	3.61	3.54	3.39	3.49

Exercise 2:

Question 1:

With the SAS data set ***BloodPressure***, generate frequencies for the variable AGE. Use a formatting to group ages into three categories:

40 and younger

41 to 60

61 to older .

Question 2:

Using the same data set, provide the two-way tables for Gender by SBP and DBP.

Exercise 3:

Using the SAS data set ***College***, provide the code that produces the following table:
Note that the variables Gender and ClassRank are formatted.

Demographics from COLLEGE data set

Demographics	N					
	ClassRank					
	Low to 70			71 to Higher		
	Gender		All	Gender		All
	Female	Male		Female	Male	
Scholarship						
No	20	15	35	23	19	42
Yes	4	None	4	5	2	7
All	24	15	39	28	21	49