ASSIGNMENT 3 Due Oct 18,

BAN130 PROGRAMMING FOR ANALYTICS

Submission guidelines are shown at the end.

Question 1.

Run the program here to create a temporary SAS data set called Voter:

```
data Voter; input Age Party : $1. (Ques1-Ques4)($1. + 1);
datalines;
23 D 1 1 2 2
45 R 5 5 4 1
67 D 2 4 3 3
39 R 4 4 4 4
19 D 2 1 2 1
75 D 3 3 2 3
57 R 4 3 4 4
;
```

Add formats for Age (0-30, 31-50, 51-70, 71+), Party (D = Democrat, R = Republican), and Ques1-Ques4 (1=Strongly Disagree, 2=Disagree, 3=No Opinion, 4=Agree, 5=Strongly Agree). In addition, label Ques1-Ques4 as follows:

Variable	Label
Ques1	The president is doing a good job
Ques2	Congress is doing a good job
Ques3	Taxes are too high
Ques4	Government should cut spending

Note: Use PROC PRINT to list the observations in this data set and PROC FREQ to list frequencies for the four questions. (The default action of PROC PRINT is to head each column with a variable name, not the label. To use labels as column headings, use the LABEL option with PROC PRINT.)

Question 2.

You want to see frequencies for Questions 1 to 4 from the previous question. However, you want only three categories: **`Generally Disagree`** (combine **`Strongly Disagree`** and **`Disagree`**), **`No Opinion`**, and **`Generally Agree`**

(combine **Agree** and **Strongly Agree**). Accomplish this using a new format for Ques1-Ques4.

Question 3.

Make a permanent SAS data set from data set Voter in Question 1. Place this data set in a folder of your choice. Make the labels and formats permanent attributes in this data set and make your formats permanent as well (place them in the same library as the data set). Use the FMTLIB option with PROC FORMAT when you run this procedure.

Question 4.

Write the necessary statements to make three permanent formats in a library of your choice. Use the FMTLIB option to list each of these formats. The formats are defined as follows:

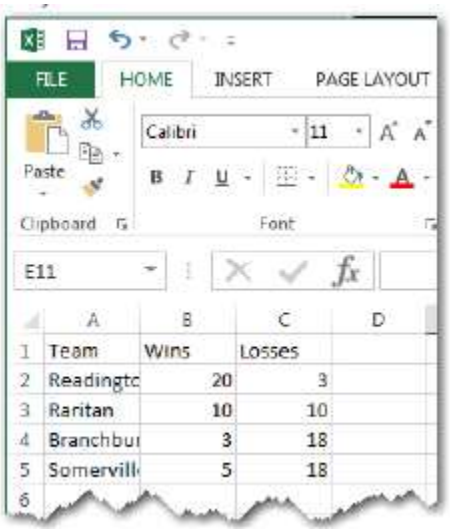
```
YesNo     1 = Yes, 0 = No
$YesNo    Y = Yes, N = No
$Gender   M = Male, F = Female
Age20yr   low-20 = 1, 21-40 = 2, 41-60 = 3, 61-80 = 4,
          81-high = 5
```

Question 5

Run the following program to create a CSV file. Substitute a folder of your choice for the one specified in the program:
NOTE: Replace the path with the BAN130 course path to make your program accessible.

```
data Soccer;
input Team : $20. Wins Losses;
datalines;
Readington 20 3
Raritan 10 10
Branchburg 3 18
Somerville 5 18
;
options nodate nonumber;
title;
ods listing close;
ods csv file='C:\_\_\Soccer.csv';
proc print data=Soccer noobs;
run;
ods csv close;
ods listing;
```

Open Excel on your computer and open the CSV file (you will have to change the file type to .csv). It should look like this:



Save your comma-separated values file in your submission folder.

Submission Guidelines

Submit your program file as XX_A2_Q12345.sas (replace XX with your first and last initials).

Submit a copy of the log as XX_A2_Q12345_log.txt (replace XX with your first and last initials).

Submit a copy of the results as XX_A2_Q12345_results.pdf (or.txt is acceptable) (replace XX with your first and last initials)