Homework 1

Instruction:

1. Homeworks must be submitted via by **6pm EST** of the due date. Late homeworks are **not** accepted. For each homework, maximum number of resubmission is three and no late resubmission is accepted. If you miss the deadline (6pm, class meeting day), you will get zero point for that homework.

2. Homework submission should contain only two files: your **write-up** and SAS code.

3. By Write-up, I expect you should organize your answers to each question in homework in a clean and clear way that make your report readable and even beautiful, rather than throw everything from SAS output to your readers. You are responsible for picking up relevant SAS output to support your answers.

Your write-up should be of a **pdf** format file. No other format is accepted. **five points** will be taken off for not following this.

Please **name** your write-up solution to homework 1 in this way: hw1_firstnamelastname.pdf.

4.Please provide all your SAS code in a separate hw1.sas file. Upload the SAS file along with your wirte-up. For those who do not follow the rule, **two points** will be taken off each time.

Problem 1: Fill the blanks in the following SAS code, according to (a)and (b).

1.1 Data:

Name	*Score1*	*Score2*	*Score3*	*Score4*	*Score5*	*Final*
Gamma1	11.25	9.75	10	10	10	90
Delta1	9.5	7.5	8	10	10	95
Epsilon1	11.5	10	9.75	3.5	10	100
Theta1	12.5	10	9.5	9	10	100

Table-1

1.2 SAS code to complete:

```
options _____;
data mydata;
input _____;
datalines;
Gamma1 11.25 9.75 10 10 10 90
Delta1 9.5 7.5 8 10 10 95
Epsilon1 11.5 10 9.75 3.5 10 100
Theta1 12.5 10 9.5 9 10 100
;
run;
proc print data=mydata;
_____;
run;
```

a) Complete the above code by filling blanks, according to the followings:

1. options : suppress date in your sas output; (hint: google "Customizing Your SAS Session : OPTIONS Statement")
2. options: linesize = 78;
3. Print the data for *Name*, *Score3*, and *Final*.

b) Rewrite the program so all the data may be written on only two lines instead of four lines. Report your output. (Hint: Recall the use of @@ in the input statement before the semicolon.)

Problem 2: Read and print the following data set. And submit your output and SAS code.

2.1 Data:

Name	*from*	*to*	*pounds_million*
Benjamin Mendy	Monaco	Man City	52.0
Alvaro Morata	Real Madrid	Chelsea	58.0
Romelu Lukaku	Everton	Man United	75.0
Onsmane Dembele	Dortmund	Barcelona	97.0
Philippe Coutinho	Liverpool	Barcelona	105.0
Neymar	Barcelona	PSG	199.8

For those who are not soccer fans, this is the top most expensive soccer players in the past year. The first variable ***Name*** *is soccer players' names. The* second and third *variables* ***from*** and ***to*** *correspond* respectively to a old soccer club a player transfer from and a new club to. The last variable is market value of a player in million pounds.