**Assigned: February 6, 2020**

**Due: February 20, 2020 (by 7:30am)**

**Problem 2:** A researcher has collected data on 85 diabetic subjects. Each of these subjects had her/his blood glucose measured at baseline and at the end of each of the next six weeks. The data are contained in the SAS dataset **bloodsugar.sas7bdat**, Each line of **bloodsugar.sas7bdat** has each subject’s ID number (SUBJECTID), baseline blood glucose (BLGLUCOSE), and the six follow-up glucose readings (GLUC1-GLUC6). Please note that some subjects missed a scheduled visit and those values are recorded as missing in the dataset.

You are tasked with the following:

1. Write a single SAS DATA step to create a new temporary SAS dataset that has one observation for each of the 85 subjects. Each observation in the new SAS dataset should contain the following (and no more than the following) variables:
   1. The subject’s study ID number
   2. The change in the subject’s blood glucose from baseline to week 6
   3. The percent change in the subject’s blood glucose from baseline to week 6 (format this variable so that it shows up as a percentage with 2 decimal places in the output)
   4. The subject’s maximum follow-up blood glucose
   5. The subject’s mean follow-up blood glucose (format this variable so that it shows up as a number with 2 decimal places in the output)
   6. The number of non-missing blood glucose readings for the subject
2. Give meaningful labels to your variables and print the dataset

Turn in your code as your solution to this problem. Make sure to include PROC PRINT for the new dataset.