STAT 425 and STAT 625- Statistical Software

Dr. William Howell, Professor

Homework #1-Getting Started with SAS

Directions: Please submit one program file, one output file, and one log file for the entire assignment. Use comment statements to separate your answers. For questions that do not require a SAS program use comment statements. For example:

/*

Question #1d: my answer

Question #2a: my answer

*/

/*Question #4b: */

--SAS program—

/*Question #5*/

Please make sure the log and output file contain only one run. For example, clear the screen for the log and output file and submit your program one last time before you upload your solutions to ***Blackboard***. See the lab for the instructions on how to clear your output and log files.

Part I:

1. **Examining the Descriptor and Data Portions of a SAS Data Set**
   - **a.** Retrieve the starter program **p103e02**.
   - **b.** After the DATA step, add a PROC CONTENTS step to display the descriptor portion of **work.newpacks**.
   - **c.** Submit the program and answer the following questions:

     How many observations are in the data set? _____

     How many variables are in the data set? _____

     What is the length (byte size) of the variable **Product_Name**? _____
   - **d.** After the PROC CONTENTS step, add a PROC PRINT to display the data portion of **work.newpacks**.

     Submit the program to create the following PROC PRINT report:

Obs	Supplier_Name	Supplier_ Country	Product_Name
1	Top Sports	DK	Black/Black
2	Top Sports	DK	X-Large Bottlegreen/Black
3	Top Sports	DK	Comanche Women's 6000 Q Backpack. Bark
...			
12	Luna sastreria S.A.	ES	Hammock Sports Bag
13	Miller Trading Inc	US	Sioux Men's Backpack 26 Litre.

Supplemental exercise for STAT 625 and Honors credit

Part II:

2. Working with Times and Datetimes

a. Retrieve and submit the starter program **p103e03**.

b. Notice the values of **CurrentTime** and **CurrentDateTime** in the PROC PRINT output.

c. Use the SAS Help facility or product documentation to investigate how times and datetimes are stored in SAS.

d. Complete the following sentences:

A SAS time value represents the number of _____.

A SAS datetime value represents the number of _.