

Week 2 Activities

If you restarted your SAS session since the last exercise, open and submit the **libname** program found in the data folder so that you can set the value of the macro variable, **path**.

1. Examining the Data Portion of a SAS Data Set

- Retrieve the starter program **L2_A1.sas**.
- After the PROC CONTENTS step, add a PROC PRINT step to display all observations, all variables, and the Obs column for the data set named **work.donations**.
- Submit the program to create the PROC PRINT report below. The results contain 124 observations.

Partial PROC PRINT Output

Obs	Employee_ ID	Qtr1	Qtr2	Qtr3	Qtr4	Total
1	120265	.	.	.	25	25
2	120267	15	15	15	15	60
3	120269	20	20	20	20	80
...						
123	121145	35	35	35	35	140
124	121147	10	10	10	10	40

2. Examining the Descriptor and Data Portions of a SAS Data Set

- Retrieve the starter program **L2_A2.sas**.
- After the DATA step, add a PROC CONTENTS step to display the descriptor portion of **work.newpacks**.
- 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**? _____
- 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.

3. Working with Times and Datetimes

- a. Retrieve and submit the starter program **L2_A3.sas**.
- 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 _____.