MET MA 603: SAS Project Exam Help SAS Programming and https://powcoder.com Applications Add WeChat powcoder

Automatic Variables

Automatic Variables

In a Data step, SAS creates several variables that it uses in processing the step. **Automatic Variables** are temporary variables created during each Data step and used by SAS in processing Assignment Project Exam Help

Automatic variables do not get written to the output dataset. However, sometimes it is useful to reference them in the Data step.

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The automatic variables that will be covered are:

N

First.var

Last.var.

First. and Last.

The automatic variables **First.***var* and **Last.***var* indicate, with a 1 or 0, whether the current observation is the first or last occurrence, respectively, of the variable *var*.

The First. and Saist automaticivation and the day created when the BY statement is used, and the input dataset must be sorted according to the Way the variables appear in the BY statement.

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N

The automatic variable **_N**_ indicates the number of times SAS has looped through a Data step.

Recall that when SAS processes a Data step there is a built-in loop, where meants late metal for each observation. Each time SAS loops through the statements in the Data step, the automatic variable N_ is incremented by 1.

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Usually _N_ can be thought of as the row number of each observation. This is true for simple Data steps, where the number of observations in the input and output datasets are the same.

Practice

From the losses.sas7bdat dataset, create a new dataset that contains the 5 biggest losses from 2014

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VIEWTABLE: Y/prksToppes, lpssest 2016 om					
	Date *	Amount			
1	25MAF 2014	WZ(**)	at powcoder		
2	07MAR2014	\$190,987	at powedaer		
3	17JAN2014	\$161,578			
4	08JAN2014	\$100,901			
5	25JAN2014	\$50,878			
			-		

Practice

From the losses.sas7bdat dataset, create a new dataset that contains a <u>random</u> sample of 5 losses from 2014 where the loss amount is greater than 9,999. (Your sample will likely diffex from what is below, and your get a different result each time you run your code).

Use the random number function RAND("Uniform") to generate random numbers Chat powcoder

VIEWTABLE: Work.Loss_sample

	Date	Amount
1	07FEB2014	\$18,738
2	08JAN2014	\$23,583
3	08JAN2014	\$20,878
4	15AUG2014	\$13,746
5	08JAN2014	\$100,901

Readings

Textbook section 6.15

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