Using SAS® Software Window® to Dynamically Manage Your Routine Programs

Linda C. Gau, CORE INC., Irvine, CA

ABSTRACT

Have you ever faced the problem that you have to run several related SAS programs monthly or quarterly, but sometimes you just need to run only part of the routine programs. One of the most important aspects of the SAS Window is its ability to create a user-friendly customized window for a novice SAS programmer to run routine programs dynamically. You may get results from a computer without necessarily having any particular programming skill.

INTRODUCTION

A menu is a list of choices that you can select from. The easiest way to implement a menu is to associate a code, a character or number, with each option. You enter one of the codes in the selection field. The program then responds according to your selection.

The %WINDOW statement creates customized windows controlled by the macro processor. Macro windows allow you to display text and input fields. For many applications, SAS Macro windows are sufficient. For more complicated applications, such as those requiring to recognize a particular cursor position or to perform automatic field validation, you must use SAS/AF® software.

Before command and message lines, the window name is at the top of the window.

You can use the %WINDOW statement either inside or outside a macro definition. You must define a window before you display it. Once defined, a macro window exists until the end of the SAS session, and you can display a window or redefine it at any time.

Defining a macro window within a macro definition causes the macro processor to redefine the window each time the macro executes. If you repeatedly display a window whose definition does not change, it is more efficient to define the window outside a macro or in a macro that you need to execute once only.

CODES

%window ADJUST irow=4 rows=22 icolumn=10 columns=60
   #5   @12 "AGE/GENDER ADJUSTMENTS MENU" attr = highlight
   #7   @08 "Select to Execute: 
   #9   @08 "1    AVERAGE PAYMENTS"
   #10  @08 "2    ADMISSION RATES by SETTING"
   #11  @08 "3    ADMISSION RATES by SERVICE"
   #12  @08 "4    AVERAGE PAYMENTS by SETTING"
   #13  @08 "5    AVERAGE PAYMENTS BY SETTING and SERVICE"
   #14  @08 "Q    QUIT"
   #16  @29 getdata 1 attr=underline
   #18  @29 "Press " @35 "ENTER"
         attr=underline
         @41 "to continue.";
RESULT

+ADJUST------------------------------------------------------------------------+
| Command ===>

AGE/GENDER ADJUSTMENTS MENU

Select to Execute:

1 AVERAGE PAYMENTS
2 ADMISSION RATES by SETTING
3 ADMISSION RATES by SERVICE
4 AVERAGE PAYMENTS by SETTING
5 AVERAGE PAYMENTS BY SETTING and SERVICE
Q QUIT

Press ENTER to continue.

+--------------------------------------------------------------ZOOM------------+

REFERENCES

SAS Institute Inc.(1990), SAS® Guide to
Macro Processing, Version 6, Second Edition,

SAS Institute Inc.(1990), SAS® Language,
Institute Inc.

AUTHOR CONTACT

Linda C. Gau, Project Manager
CORE INC.
18881 Von Karman Ave., Suite 1750
Irvine, CA 92612
E-Mail: linda.gau@coreinc.com