Using VIEWTABLE in SAS/AF Applications to View and Edit SAS Tables

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Abstract

When developing SAS/AF applications, it is often necessary to identify effective techniques for displaying and editing data. The VIEWTABLE window provides a powerful interface for viewing and editing tables of data. This paper explores how to use the VIEWTABLE window in any SAS/AF application. It shows how SAS/AF and Screen Control Language (SCL) were employed to standardize data displays in a user-friendly application.

Introduction

Starting with Version 6.12 a powerful way to view and edit tables of data using the SAS/AF FRAME product has been introduced. Using data entry classes, Data Table and Data Form, the VIEWTABLE window is available to developers and end-users possessing graphics-ready interfaces a great tool that can assist in creating, viewing, and editing SAS data sets. VIEWTABLE permits interactive access to tables of data using either a Table View or Form View. Using tools like these, sophisticated end-user applications can be developed.

Opening the VIEWTABLE Window

Since the VIEWTABLE window can only be used in interactive SAS sessions, it can be opened from any command line, from the directory window, or from a Screen Control Language (SCL) program.

Closing the VIEWTABLE Window

To close the VIEWTABLE window, click the File pull-down menu option and select "End" from the list of options.

Screen Control Language (SCL) Code

```
********************** ;
* Example #1:          * ;
********************** ;
init: ;
  sasdsn = symget('sasdsn') ;
  put 'source dsn  ' sasdsn ;
  submit immediate ;
    dm af 'viewtable data=&sasdsn '
       viewtable ;
  endsubmit ;
return ;

main: ;
return ;

term: ;
return ;
```

```
******************************** ;
* Example #2:  (Better Method) * ;
******************************** ;
init: ;
  put '*************************' ;
  put '** MODULE:  VIEWTABL.PROGRAM **' ;
  put '*************************' ;
  sasdsn = symget('sasdsn') ;
  put 'Source DSN:  ' sasdsn ;
  arglist = makelist() ;
  rc = insertc (arglist, sasdsn, -1,
       'OPEN') ;
  rc = insertc (arglist, 'EDIT', -1,
       'OPENMODE') ;
  rc = insertc (arglist, 'TABLE', -1,
       'ACCESSLEVEL') ;
  call display
('sashelp.fsp.vtmain.frame',arglist) ;
return ;
main: ;
return ;

term: ;
  rc = dellist (arglist) ;
return ;
```

Conclusion

The ability to develop SAS/AF applications with more sophistication and greater capabilities to create, view, and edit tables of data is available in Version SAS 6.12 of the SAS System. Integrating the VIEWTABLE window in your SCL code permits end-users to access data using either a Table View or a Form View. SAS/AF and Screen Control Language (SCL) can be employed to standardize data displays in end-user applications.

Contact Information

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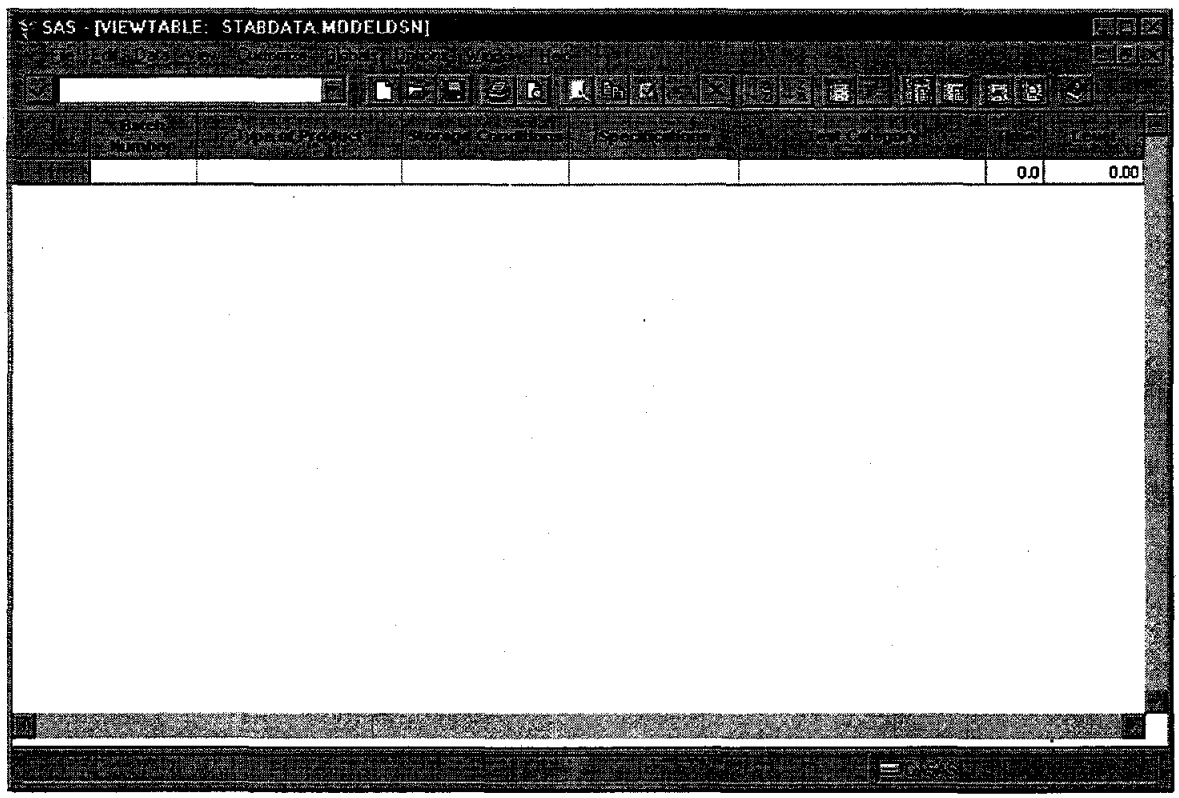
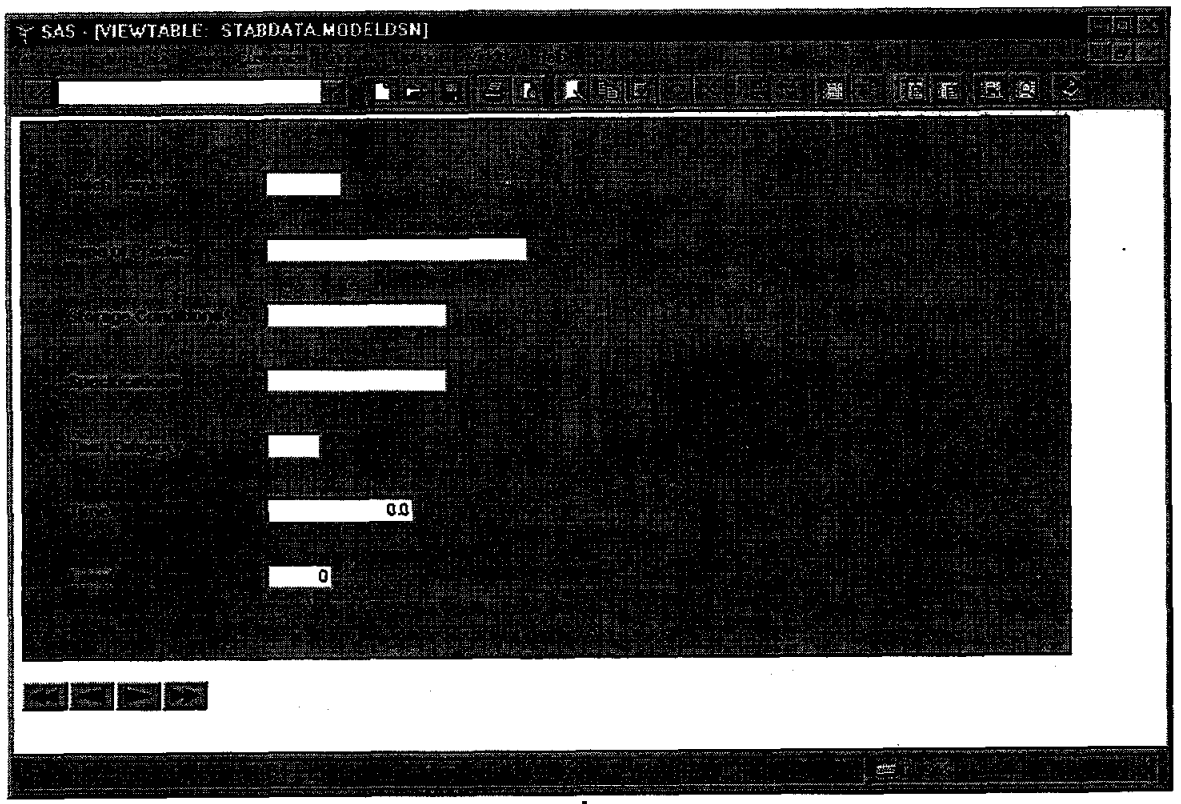
Opening VIEWTABLE in Table View Mode

Opening VIEWTABLE in ***table view*** mode permits users to view and enter data in a spreadsheet-like fashion. One or more records are displayed in the open table view. The following illustration depicts an open file in table view mode.



Opening VIEWTABLE in Form View Mode

Opening VIEWTABLE in ***form view*** mode permits users to view and enter data using a full-screen. One record (observation) is displayed on each form. The following illustration depicts an open file in form view mode.