PROJECT

SCRIPT FOR CREATING PIVOT TABLE via SAS

Version 1.0

July 12, 2025

Version History

Date	Version #	Description	Author
07/12/2025	1.0a	Final Version	Vincent Taylor

What is not shown is the main SAS program that used ODS to write the pivot report to HTML.

1. After the program finishes, you will see the pivot report displayed. Click on the 'Results – HTML' tab, then click on 'Download'. You will see the message 'The results are too large…' click 'Yes'.

2. You will see a message similar to this "F:\sastemp\TD280_AFFSASS00P01_Pr2\temp.html" is too large…", click 'OK'.

3. If you are working from your desktop, on the other screen, the Windows Internet Explorer will appear. You will see the message similar to this, 'To help protect your security, IE has restricted this webpage from running scripts or ActiveX controls…Click here for options. Click on the line, then click 'Allow Blocked Content', then click 'Yes'.

4. In the left corner, you will see a command button titled 'EXPORT'. Click the button. The message "An ActiveX Control on this page might….." Click 'Yes'. An Excel spreadsheet opens, click 'File', then click 'Home'

5. The pivot table should appear. You will see several sheets at the bottom. You can delete sheet1, sheet2, and sheet3. The data will be on the sheet titled 'PIVOT', the pivot table will be on the sheet titled 'Pivot_pivot'. You can rename these if you wish.

6. At this point, you can design the pivot table to your desired specifications.

POINTS OF INTEREST

The below source code is what I used in a program to create a pivot table using SAS. Please note the dataset highlighted in RED must match. To generate a complete list of pivot table commands, change doc="no" to doc="yes". If you try it and need further assistance, let me know.

```
proc sort data = test.pivotfile  ;
    by primaryID ;
 Run;

proc sort data = test.pivotfile  out = test.pivotout nodupkey;
    by primaryID ;
run;

/*----------------------------------------------*/
/* Logic to create report Pivot Table     */
/*----------------------------------------------*/
ods results; /* MUST BE TURNED ON so you can get and respond to prompts */

ods graphics / reset=all; ods graphics off; goptions reset=all;

ods listing close;

ods tagsets.tableeditor style=Minimal file="%sysfunc(getoption(work))\temp.html"
options(
```

```
sheet_name="Pivot"
excel_orientation="landscape"
excel_frozen_headers="yes"
excel_autofilter="yes"
auto_excel="yes"
doc="no"
pivotpage="Var1, Var2 …."
pivotrow="RVar1, RVar2, RVar3, RVar4, RVar5 …."
pivotdata=""
pivotdata_stats="sum"
excel_save_file="&DRIVE_I\Your Directory Path Information\Report Name &sysdate9..xls");
proc print data= test.pivotout noobs;
 var Var1 Var2 RVar1 RVar2 RVar3 RVar4 RVar5
;
run;
ods tagsets.tableeditor close;
ods listing;
```

Script For Colorizing the Excel Spreadsheet

Change the Proc Print Logic

```
/*
proc registry startat='HKEY_SYSTEM_ROOT\COLORNAMES' list;
run;
quit; */

/* Data Element */    /*012015 */
proc format;
    value $Var1
        'Var1 Field'='CXFF0000';
          value $Var2
                    'Var2 Field'='CXFF0000';
    value $Var3
                    'Var3 Field'='CXFF0000';
run;

proc print data= test.pivotout noobs
        style(header) = [font_face='MS Sans Serif']
        style(data) = [font_face='MS Sans Serif'];
 var RVar1 / style(data) = [background=$Var1.] ;
 var RVar2 / style(data) = [background=$Var2.] ;
 var RVar3 / style(data) = [background=$Var3.] ;

run;

ods tagsets.tableeditor close;
ods listing;
```