

An Introduction to Creating Multi-Sheet Microsoft Excel Workbooks the Easy Way with SAS®

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REQUIREMENTS

(1) Base SAS Software, 9.1.3 or later, *any operating system*, (2) **recent version** of the ExcelXP ODS tagset (see the section Additional Information below), (3) Microsoft Excel 2002 (aka Excel XP) or later.

GENERAL STEPS

(1) Run SAS code to create output, (2) open output with Excel, (3) make changes to the SAS code to add the features you want.

BASIC CODE

```
ods tagsets.ExcelXP file='MyWorkbook.xml' style=sansPrinter options(name='value');  
  * Your SAS procedure code here;  
ods tagsets.ExcelXP close;
```

ODS TAGSET OPTIONS - SPECIFIED ON THE ODS STATEMENT

SHEET_NAME: Default value: 'None'; Values: 'None', string.

EMBEDDED_FOOTNOTES, EMBEDDED_TITLES: Default value: 'No'; Values: 'Yes', 'No'.

PRINT_HEADER, PRINT_FOOTER: Default value: "; Values: string.

Example: &C&A&RPage &P of &N

Left-justify Text	&L	Center text	&C
Right-justify text	&R	Insert sheet name	&A
Insert page number	&P	Insert number of pages	&N
Insert date printed	&D	Insert time printed	&T
Insert file name	&F	Insert file path	&Z

AUTOFILTER: Default value: 'None'; Values: 'None', 'All', range.

SAS SYSTEM OPTIONS - SPECIFIED ON THE SAS "OPTIONS" STATEMENT

papersize: Default value: 'Letter'; Values: string. See below for commonly-used values.

Option Value	Paper Size	Option Value	Paper Size
Letter	8 1/2" x 11"	Legal	8 1/2" x 14"
Tabloid	11" x 17"	Ledger	17" x 11"
A4	210mm x 297mm	A3	297mm x 420mm

topmargin, bottommargin, leftmargin, rightmargin: Values: string.

Example: options topmargin=1 in bottommargin=1 in leftmargin=0.5 in rightmargin=0.5 in;

ODS STYLE OVERRIDES

(1) Find an ODS style you like, (2) make a copy, (3) make modifications to the copy, (4) use the new style, and specify style overrides.

Only the PRINT, REPORT and TABULATE procedures support this technique.

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ODS XLSANSPRINTER STYLE CODE FRAGMENT

```
style data_male from data / background=#99CCFF;

style data_female from data / background=#FF99CC;

style data_male_d1 from data_male / tagattr='format:#.0';

style data_female_d1 from data_female / tagattr='format:#.0';
```

FINAL SAS CODE

```
ods tagsets.ExcelXP path='some-directory' file='MyWorkbook.xml' style=XLSansPrinter;

title 'The CLASS Dataset';
footnote '(From the SASHELP library)';

ods tagsets.ExcelXP options(embedded_titles='yes' embedded_footnotes='yes'
                             print_header='&C&A&RPage &P of &N'
                             print_footer='&RPrinted &D at &T'
                             autofilter='2');

ods tagsets.ExcelXP options(sheet_name='Male Students');

proc print data=sashelp.class noobs;
  where (sex eq 'M');
  var name age / style(Column)=data_male;
  var height weight / style(Column)=data_male_d1;
run; quit;

ods tagsets.ExcelXP options(sheet_name='Female Students');

proc print data=sashelp.class noobs;
  where (sex eq 'F');
  var name age / style(Column)=data_female;
  var height weight / style(Column)=data_female_d1;
run; quit;

ods tagsets.ExcelXP close;
```

ADDITIONAL INFORMATION

A recent version of the ExcelXP ODS tagset is **required**, and can be downloaded from:
<http://support.sas.com/rnd/base/ods/odsmarkup/excltags.tpl>

Refer to page 4 of this paper for important information on how to install and use the tagset:
"More Tips and Tricks for Creating Multi-Sheet Microsoft Excel Workbooks the Easy Way with SAS"
[Available at: http://support.sas.com/rnd/papers/index.html#excel2009](http://support.sas.com/rnd/papers/index.html#excel2009)

"Reporting Procedure Styles Tip Sheet" contains information about using ODS style overrides.
[Available at: http://support.sas.com/rnd/base/ods/scratch/reporting-styles-tips.pdf](http://support.sas.com/rnd/base/ods/scratch/reporting-styles-tips.pdf)

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