

Modifying Procedural Output

In-line formatting of procedural output can be used with three procedures: PROC PRINT, PROC REPORT and PROC TABULATE. Each procedure has a different syntax for applying in-line formats. Some, but not all, of this syntax also varies with the output destination.

Procedure	Element	Destination	Attribute
PROC PRINT	HEADER, VAR	PRINTER	Bold, Italic, Font Size, Font Color, Font Face, Background Color, Text Wrapping, Text Rotation*, Pre and Post Images, Super and Sub Scripts, Links, Justification
		HTML	Bold, Italic, Font Size, Font Color, Font Face, Background Color, Text Wrapping, Text Rotation, Pre and Post Images, Super and Sub Scripts, Links, Justification, HTMLSTYLE
PROC REPORT	HEADER, REPORT, LINES, COLUMNS, ROWS***	PRINTER	Bold, Italic, Font Size, Font Color, Font Face, Background Color, Text Wrapping, Text Rotation*, Pre and Post Images, Super and Sub Scripts, Links, Justification, Cell Width, Cell Padding, Vertical Justification
		HTML	Bold, Italic, Font Size, Font Color, Font Face, Background Color, Text Wrapping, Text Rotation, Pre and Post Images, Super and Sub Scripts, Links, Justification, Cell Width, HTMLSTYLE
PROC TABULATE	TABULATE, VAR, TABLE, CLASS, CLASSLEV, BOX	PRINTER	Bold, Italic, Font Size, Font Color, Font Face, Background Color, Text Wrapping, Text Rotation*, Pre and Post Images, Super and Sub Scripts, Links, Justification, Cell Width
		HTML	Bold, Italic, Font Size, Font Color, Font Face, Background Color, Text Wrapping, Text Rotation, Pre and Post Images, Super and Sub Scripts, Links, Justification, Cell Width, HTMLSTYLE

*Text rotation for RTF can be done within SAS with a macro to convert RTF codes. Text rotation for HTML destinations can be done using HTMLSTYLE=.

***Rows in PROC REPORT can be selectively formatted (for example, shaded or bolded) by using a non-printing formatting variable, computed in a data step or on the fly in PROC REPORT.

Modifying ODS Text Fields

ODS text fields are available for printer destinations only (RTF, PDF, Printer). The syntax for in-line formatting of ODS text fields is similar to the syntax for modifying procedural output. The code below (used inside a ODS RTF statement and with ODS ESCAPECHAR='^') centers the title and assigns the font to be used (Klingon!)

```
ods rtf text="^S={outputwidth=100% just=c font_face=Klingon} this is Klingon";
```

ODS RTF / PROC REPORT

```
proc report nowd data=table5 spacing=8
  style(report)={cellpadding=3pt vjust=b}
  style(lines)={just=left font_face=Arial}
  style(header)={just=center font_face=Arial font_weight=bold
    font_size=8pt] ls=176;
  columns fmtvar ('Main Partner ^{super **}' ('Sex' count1 colper1)
    ('Unprotected Sex^{super****}' count2 colper2) ) count boldit;
  define boldit / display ' ' noprint;
  define count / style(COLUMN)={just=c font_face=Arial
    font_size=8pt cellwidth=100 asis=on}
  style(HEADER)={just=c font_face=Arial font_weight=bold
    font_size=8pt cellwidth=100 asis=on};
  compute boldit;
  if (boldit eq 1) then call define( _row_,"STYLE",
    "STYLE={FONT_WEIGHT=BOLD}"); /* bolds rows */
endcomp;
```

ODS HTML4 / PROC PRINT

```
proc print data=table1 noobs label uniform split=""
  style(header)={font_face=Arial' font_size=1
    font_weight=bold justify=left};
  var xlab xval / style={justify=left font_size=1};
  var totaln wtotaln / style={font_size=1};
  var totper / style={font_size=1
    htmlstyle="vnd.ms-excel.numberformat:0.0%"};
  var chisqp / style={font_size=1 foreground=sigf.
    htmlstyle="vnd.ms-excel.numberformat:0.0000"};
```

Note: HTMLSTYLE attribute syntax is dependent on what tagset and/or version of MS Excel® you are using. For example, htmlstyle="mso-rotate:90; height:100pt" can be used to rotate text for more recent versions of Excel.

ODS RTF / PROC TABULATE

```
proc tabulate data=anal missing format=20.
  style={bordercolor=black borderwidth=1 cellwidth=75
    font=("Times New Roman",7pt,Normal)};
  var counter ... /
  s={bordercolor=black borderwidth=2 cellwidth=75
    font=("Times New Roman",7pt,Bold)};
  class region distsz3 /
  s={background=lightblue bordercolor=black borderwidth=2
    font=("Times New Roman",8pt,Bold)};
  classlev region distsz3 /
  s={background=lightblue bordercolor=black borderwidth=2
    font=("Times New Roman",8pt)};
  tables all={label='TOTAL' s={font=("Times New
    Roman",8pt,Bold)
    foreground=white background=blue}} region,
  counter*(sum=' 'f=comma9.)
  / box={s={bordercolor=black borderwidth=2
    background=lightblue
    preimage='logo.jpg'}};
```

Please contact the author, louise_hadden@abtassoc.com, for full code samples.