SAS 9 ODS LIST AND TEXT BLOCK Tip Sheet

Conditional Statements

Traffic Lighting

cellstyle *expr-1* as *style-element*{*style-attributes*},
expr-2 as *style-element*{*style-attributes*},
…
expr-n as *style-element*{*style-attributes*};

The CELLSTYLE-AS statement is valid at the top level of both PROC ODSLIST and PROC ODSTEXT as well as within list and item blocks. Each expression is a WHERE expression that is evaluated for each item or paragraph. If the result of the expression is true, the given style element and style attributes are applied. Once a matching expression is found, execution stops.

Translating Values

translate *expr-1a* into *expr-1b*,
expr-2a into *expr-2b*,
…
expr-na into *expr-nb*;

The TRANSLATE-INTO statement is valid at the top-level of both PROC ODSLIST and PROC ODSTEXT as well as within list and item blocks. Each expression is a WHERE expression. The (a) expressions are evaluated for each item/paragraph. If the result of the (a) expression is true, the result of the (b) expression is used in place of the item/paragraph value in the output. Once a matching expression is found, execution stops.

Example

```
/* static text */
proc odstext;
  p 'Class Information' /
    style=systemtitle;
  p 'The following is height, weight,
    and age information from the class
    data set.';
run;

/* data dependent text / list */
proc odstext data=sashelp.class(obs=2);
  p 'Student name is ' || name || '.' /
    style={fontweight=bold};
  list;
    item 'Weight - ' || put(weight,3.);
    item 'Height - ' || put(height,2.);
  end;
run;

/* item block with nested list */
proc odslist data=sashelp.class(obs=2);
  item / style={liststyletype=none};
    p name || "'s age" /
      style={fontweight=bold};
    list;
      cellstyle age > 13 as
            {fontstyle=italic};
      translate age = 13 into
            'Thirteen';
      item age / format=2.;
    end;
  end;
run;
```

Class Information
The following is height, weight, and age information from the class data set.

Student name is Alfred.

- Weight - 113
- Height - 69

Student name is Alice.

- Weight - 84
- Height - 57

Alfred's age
- *14*

Alice's age
- Thirteen

For complete information, refer to the Base SAS® documentation at
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SAS 9

ODS List and Text Block Tip Sheet

This tip sheet places frequently used information in one place, on one sheet of paper, so you don't have to search through the online documentation. It also gives you something to take home, type in, and try.

PROC ODSLIST and PROC ODSTEXT allow you to create bulleted lists and formatted blocks of text in your reports. These lists and text blocks can be static content (i.e., strings) or based on data from a data set.

This tip sheet presents the most common statements and options used in creating lists and text blocks.

SAS 9 ODS LIST AND TEXT BLOCK Tip Sheet

PROC ODSLIST

Basic Usage

```
proc odslist data=data-set;
  ... statements ...
run;
```

Procedure Options

contents="*string*"
specifies the string to be displayed in the table of contents for the output object.

data="*data-set*"
specifies the data set to use for variable references in items and paragraphs. Data= is not needed if there are no variable references.

name=*template-name*
specifies the name of the template to store. This option enables you to store list templates for reuse with the DATA step.

pagebreak=yes | no | on | off
specifies whether or not the procedure should generate page breaks. The default is "no".

store=*template-store*
specifies the template store to save the template in if name= is also used.

print
specifies that the output object should be printed. This is for use when name= is specified on static lists (i.e., lists with no variable references or data set).

Common ODSLIST Statements

item *expression* <*/ option(s)* >;
specifies the content of the item.

item / <*/ options(s)* >;
... item block ...
end;
specifies a block of content for an item. This is used for using multiple paragraphs and/or creating nested lists.

Option	Description
format=	SAS data format
style=	Style override
value=	Numeric value of bullet

Item Block Statements

list <*/ option(s)* >;
... list block ...
end;
specifies the content of the nested list. The list block statements are the same as for PROC ODSLIST (*see above*).

Option	Description
start=	Starting value for bullet numbering
style=	Style override

p *expression* <*/ option(s)* >;
specifies the content of the paragraph.

Option	Description
format=	SAS data format
style=	Style override

PROC ODSTEXT

Basic Usage

```
proc odstext data=data-set;
  ... statements ...
run;
```

Procedure Options

contents="*string*"
specifies the string to be displayed in the table of contents for the output object.

data="*data-set*"
specifies the data set to use for variable references in items and paragraphs. Data= is not needed if there are no variable references.

name=*template-name*
specifies the name of the template to store. This option enables you to store list templates for reuse with the DATA step.

pagebreak=yes | no | on | off
specifies whether or not the procedure should generate page breaks. The default is "no".

store=*template-store*
specifies the template store to save the template in if name= is also used.

print
specifies that the output object should be printed. This is for use when name= is specified on static lists (i.e., lists with no variable references or data set).

Common ODSTEXT Statements

list <*/ option(s)* >;
... list block ...
end;
specifies the content of the nested list. The statements are the same as for PROC ODSLIST.

Option	Description
start=	Starting value for bullet numbering
style=	Style override

p *where-expression* <*/ option(s)* >;
specifies the content of the paragraph.

Option	Description
format=	SAS data format
style=	Style override

List Block Statements

item *expression* <*/ option(s)* >;
specifies the content of the item.

item / <*/ options(s)* >;
... item block ...
end;
specifies a block of content for an item. This is used for using multiple paragraphs and/or creating nested lists.

Option	Description
format=	SAS data format
style=	Style override
value=	Numeric value of bullet