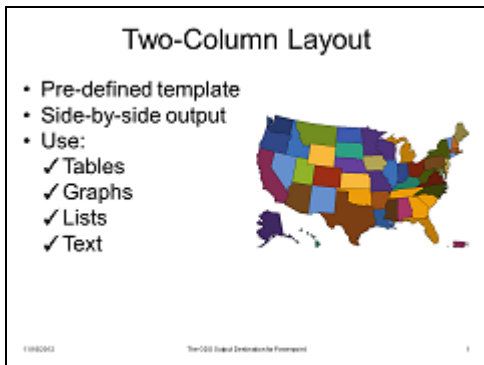


**ODS POWERPOINT LAYOUT=**



```

title1 'PowerPoint with Template Layout –
Twocontent: Odstext/Graph';
footnote "The ODS Output Destination for
PowerPoint";

ods listing close;
ods powerpoint file="Template.ppt"
nogtitle nogfootnot layout=twocontent;

proc odslist;
item 'Pre-defined template';
item 'Side-by-side output';
item;
p 'Use:';
list / style=[bullet=check];
item 'Tables';
item 'Graphs';
item 'Lists';
item 'Text';
end;
run;

goptions hsize=4.5in vsize=4.5in;
proc gmap map=maps.us data=maps.us all;
id state;
choro statecode/statistic=frequency discrete nolegend;
run; quit;

ods _all_ close;
    
```

**Action Syntax**

```
ods powerpoint <(<ID=>identifier)>
<action>;
```

If you use the ODS POWERPOINT statement without an action or options, then it opens the POWERPOINT destination and creates Microsoft PowerPoint output in a file called saspres.pptx.

**Actions**

**close**

Closes the PowerPoint destination and the file that is associated with it. You cannot view the file until you close the destination.

**exclude *exclusions(s)* | all | none**

Excludes output objects from the destination.

**select *selections(s)* | all | none**

Selects output objects for the destination.

**show**

Writes the current selection or exclusion list for the destination to the SAS<sup>®</sup> log.

Column for logo, address, and trademark info.



The ODS Destination for PowerPoint 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.

This tip sheet presents the most common statements and attributes used in creating output with the ODS POWERPOINT statement. This statement opens, manages, or closes the PowerPoint destination, producing output that is ready for Microsoft PowerPoint 2010 or later.

For complete information, refer to the Base SAS<sup>®</sup> 9.4 documentation at <http://support.sas.com/documentation/94/>

# SAS<sup>9</sup> ODS PDF Tip Sheet

## Basic Usage

```
ods powerpoint <option(s)>;  
... procedure name ...  
ods powerpoint close;
```

## Common Options

**file="filename"**

Specifies the name of the PowerPoint file.

**gfootnote/nogfootnote**

Determines if graphics handles footnotes in images.

**gtitle/nogtitle**

Determines if graphics handles titles in images.

**image\_dpi=nnn**

Specifies the DPI (dots per inch) of images generated for the slides.

**layout=layout**

Specifies a predetermined layout.

**startpage=yes | no | now**

Controls when a new slide is generated.

**style=style-definition**

Specifies the style definition to use.

## ODS POWERPOINT Example

This code snippet creates the output file output.pptx with a simple table of five observations.

```
ods powerpoint file="output.pptx";  
proc print data=sashelp.class(obs=5);  
run;  
ods powerpoint close;
```

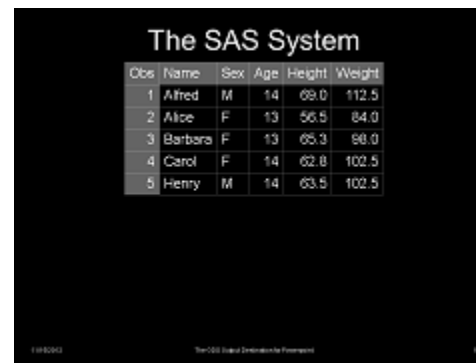


Obs	Name	Sex	Age	Height	Weight
1	Alfred	M	14	69.0	112.5
2	Alice	F	13	56.5	84.0
3	Barbara	F	13	65.3	98.0
4	Carol	F	14	62.8	102.5
5	Henry	M	14	63.5	102.5

This code snippet creates the output file style.pptx with a simple table of five observations using the style template "Powerpointdark":

```
ods powerpoint file="style.pptx"  
style=Powerpointdark;  
proc print data=sashelp.class(obs=5);  
run;  
ods powerpoint close;
```

The "Powerpointlight" style is the default style for PowerPoint. Use only the Powerpointlight or Powerpointdark styles or a style that inherits from one of these two styles with the ODS destination for PowerPoint.



Obs	Name	Sex	Age	Height	Weight
1	Alfred	M	14	69.0	112.5
2	Alice	F	13	56.5	84.0
3	Barbara	F	13	65.3	98.0
4	Carol	F	14	62.8	102.5
5	Henry	M	14	63.5	102.5

## POWERPOINT Metadata Options

**author="author-text"**

Inserts the text string that you specify as author into the metadata of a file.

**category="fabulous people"**

Inserts the text string that you specify as category into the metadata of a file.

**comments="your opinion"**

Inserts the text string that you specify as comments into the metadata of a file.

**keywords="keywords-text"**

Inserts into the output file's metadata a string of keywords. The keywords enable a document management system to do topic-based searches.

**status="a plus"**

Inserts the text string that you specify as status into the metadata of a file.

**subject="subject-text"**

Inserts the text string that you specify as the subject into the metadata of a file.

**title="title-text"**

Inserts the text string that you specify as the title into the metadata of a file.