# SAS®9 ODS EPUB Tip Sheet

## System Option: Deflation

**deflation=*n* | min | max**
Setting this option on the OPTIONS statement specifies the level of compression for the e-book. The larger the number, the greater the compression. The range is 0 (MIN) to 9 (MAX). The default value is 6.

### Accessibility

Assign alternative text to SAS graphs:

```
proc gplot data=sashelp.class;
plot weight*height / description="Some
text";
run;
```

Assign alternative text to imported images:

```
ods escapechar="^";
proc odstext;
p "^{image C:\myImage.jpg?alt_desc=My
Image}";
run;
```

Resize cells in table output:

```
proc template;
define style styles.docStyle;
parent=styles.Daisy;
class data /
  width=90px height=22px;
end;
run;
```

Identify row headers for screen readers:

```
proc print data=sashelp.class noobs;
  var name / style=rowHeader;
run;
```

### Syntax

```
ods epub <(<ID=>identifier)> <action>;
ods epub <(<ID=>identifier)> <options>;
```

If you use the ODS EPUB statement without an action or options, then it opens the EPUB destination and creates EPUB output.

### Actions

**close**

closes the EPUB destination and any files that are associated with it.

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

excludes output objects from the EPUB destination.

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

selects output objects for the EPUB destination.

**show**

writes the current selection or exclusion list for the EPUB destination to the SAS® log.

For complete information refer to the Base SAS® 9.4 documentation at http://support.sas.com/v9doc

# SAS®9

# ODS EPUB 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.

The ODS EPUB destination allows you to generate your reports as e-books that you can read with e-book readers such as iBooks on the iPad. Or, you can write an e-book from scratch if you like.

This tip sheet presents the most common statements and options used in creating e-books with the ODS EPUB destination.

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# SAS®9 ODS EPUB Tip Sheet

## Basic Usage

```
ods epub <option(s)>;
… procedure name …
ods epub close;
```

## Common Options

**anchor="a*nchor-name*"**
specifies a unique base name for the anchor tag that identifies each output object. The default value is "IDX".

**file="*filename*"**
specifies the file that contains the e-book created by the destination.

**newchapter=bygroup | proc | page | output | now | none**
specifies when a new chapter is created in the e-book. The default value is none.

**options(<*suboption(s)*>)**
specifies suboptions with space-delimited *name="value"* pairs.

**style=*style-definition***
specifies the style definition to apply to your output.
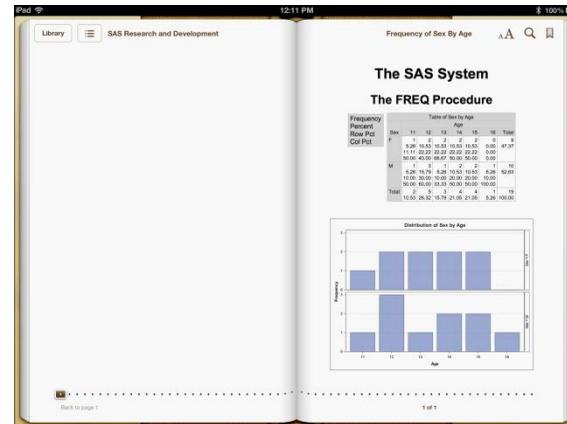
**title="*title-text*"**
specifies the title of the e-book. The default value is "SAS Output".
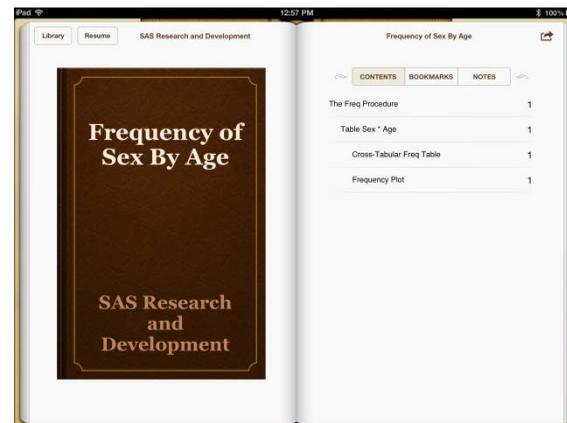
## ODS EPUB Example

This code will create the e-book "class.epub":

```
ods epub file="class.epub"
title="Frequency of Sex By Age"
options(creator="SAS Research and
Development");
proc freq data=sashelp.class;
tables sex*age/plot=freq;
run;
ods epub close;
```

This is how iBooks displays the FREQ report:



This is how iBooks displays the table of contents:



## Common Options Option Suboptions

**contents="yes" | "no" | "off" | "on"**
Specifies whether a table of contents is generated. The default value is "on".

**cover_image="*filename*"**
Specifies a cover image for the e-book.

**creator="*creator(s)-text*"**
Specifies primary creator(s) of the e-book. Delimit multiple creators with commas.

**nonlinear="all" | "chapter" | "batch" | "table" | "none"**
Specifies output to be written to the nonlinear section of the e-book. The default value is "none".

**pagebreak="yes" | "no" | "off" | "on" | "auto"**
Specifies whether explicit page breaks are honored. The default value is "auto"; this means that ODS and procedures determine when page breaks occur.

**start="*chapter-number*"**
Specifies chapter at which an e-book first opens. The default value is "1".

**subject="*subject(s)-text*"**
Specifies subject(s) of the e-book. Delimit multiple subjects with commas.

## EPUB E-book Readers

**iBooks**
http://www.apple.com/apps/ibooks/

**Adobe Digital Editions**
http://www.adobe.com/products/digital-editions.html

**AZARDI**
http://azardi.infogridpacific.com

**Calibre**
http://calibre-e-book.com

**EPUBReader**
http://www.epubread.com

**Kobo**
http://www.kobobooks.com/ipad

**Sigil**
http://code.google.com/p/sigil/

**Stanza**
http://itunes.apple.com/us/app/stanza/id284956128?mt=8