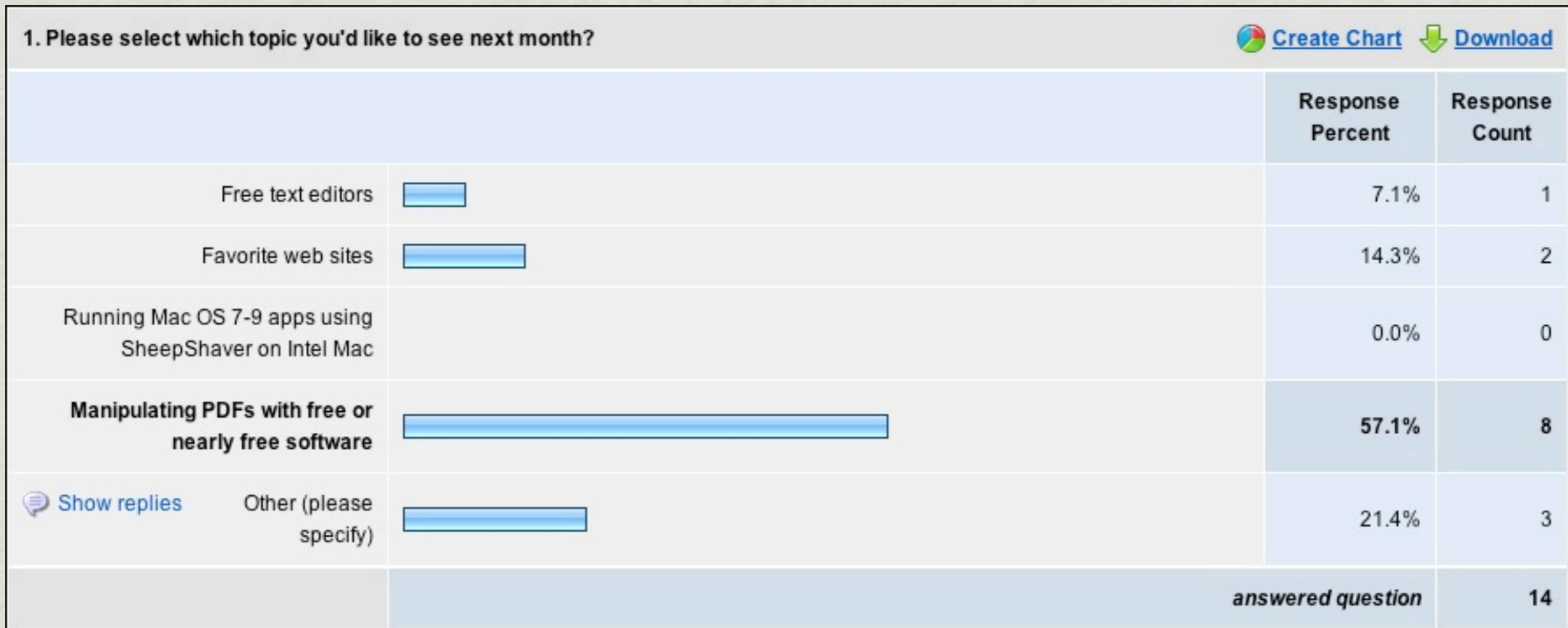


# Portable Document Format (PDF) Options for the Mac User

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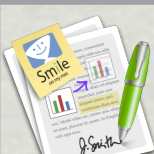

# Survey Says ...



# Background

- \* Adobe established PDF in 1993 as a way to share electronic documents independent of the software or hardware that created it
  - Built upon the postscript language Adobe had developed earlier and adopted by Apple to drive their first laserwriter
  - Acrobat and Acrobat Reader (now called Adobe Reader) were released for Mac OS, UNIX, and Windows
- \* Adobe submitted the PDF to Enterprise Content Management Association in Jan 2007
- \* ISO published the approved ISO 32000-1 standard based upon PDF 1.7 in July 2008
- \* Adobe continues to extend features in their Acrobat products but these have not yet been adopted in the ISO standard
  - Mostly involve 3-D extensions, video, security
- \* Layers (Groups)
  - PDF files can have multiple layers beyond image layer to contain text, pictures, form content, and annotations

# The Collection

Icon	Name	Cost	Annotation	Rotate	Combine/ Split	Compress	Create forms	Create Bookmarks	Add Hyperlinks
	<u>Reader</u>	free	X	all or none					
	<u>Preview</u>	free	X	X	X	X Quartz			
	<u>SAM</u>	free		X	X				
	<u>Skim</u>	free	X						
	<u>PDFPen</u>	\$49.95 Pro \$99.95	X		X		Pro	Pro	X
	<u>PDFClerk Pro</u>	\$50.00	X		X		X	X	X

# PDFpen Pro – Features

- \* Edit existing text or images
- \* Add overlays
- \* Image library
- \* OCR
- \* Advertised as creating TOC, but manual process of adding bookmarks to a list
- \* See [comparison](#) on website

# PDFClerk Pro – Features

- \* Create Table of Contents /w links
- \* Impositions for printing books
- \* Watermarking
- \* Indexing and re-pagination
- \* Book assembly

# Miscellaneous Tools

- \* NeoOffice 3 can read pdf files and edit their content if text layer is present
- \* FormulatePro
  - Bare bones but allows form fill-in
- \* PDF2RTFService
  - Allows any Cocoa app capable of reading RTF to open a PDF file
- \* CUPS-PDF
  - Useful when “Save as PDF” is disabled

# Create Table of Contents with Links

- \* Long documents need TOCs
- \* Open with MSWord or NeoOffice
- \* Create TOC
  - Insert>Indexes and Tables...
  - Save as PDF or Export
  - TOC may or may not have links
- \* Open in PDFClerk Pro
  - Tools>Outline and Link Automation>Link TOC and Link to Targets



# Compression

- \* Files created by Print>Save as PDF from the OS X print dialog box are large
- \* Files can be reduced in size using various techniques
  - Quartz compression
  - Multivalent
    - ◆ See February newsletter for implementation
- \* PDF Compress or PDF Shrink (\$35 ea)

# Example 1

## ApplePickers April Newsletter

- \* The newsletter is prepared using InDesign and output is “distilled” down to 455 Kb
- \* InDesign will not print to a pdf file using OSX Built-in options so print using CUPS-PDF driver
  - Output is 8.6 Mb
  - Bookmarks and some hyperlinks are lost
- \* Preview will open and re-save using built-in options but Adobe Reader will not
- \* Using Save to PDF yields 2.8 Mb file
- \* Compress using PDF Compress yields 1.2 Mb file
- \* Using Print>PDF>Reduce File size with Multivalent yields 508 Kb file
- \* Using Print>PDF>Quartz filter yields 455 Kb but image quality is affected

# Example 2

HR4872 Obama Health Care

- \* Original bill as a pdf = 381Kb
- \* Copied and pasted into MSWord = 557 Kb
- \* Save as pdf = 635 Kb
- \* Using PDF Shrink = 483 Kb
- \* Using Multivalent = 401 Kb

# Example 3

## MacOSX SnowLeopard Product Presentation

- \* Original Keynote file = 120.7Mb
- \* Save as pdf with “Good” images = 62.1Mb
- \* Using PDFShrink “Web” = 22.3Mb
- \* Using Quartz from Keynote = 12.6Mb
- \* Using Multivalent from Keynote = 10.4Mb

# Converters

- \* deskUNPDF (\$69.95) will convert a pdf to files compatible with MSWord, Excel, OpenOffice, HTML, XML, Images, and more.
  - Includes batch conversion and command line interface.
- \* PDF2Office (\$129.95) does much the same

# Resetting lost passwords

- \* pdfauxinfo can be used to create an Automator service
  - only if password(s) are 40 bit RC4
- \* pdf-Recover (\$24.70) works on 128 bit owner password protected files
  - will not remove user password preventing file from being opened
- \* guapdf may work with 128 bit passwords by distributed process over a bank of computers