

Web Publishing Hands on Workshop

Prepared by



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This workshop is designed to present the different ways to publish information on the Web from SAS Software. The following will be presented:

1. Basic HTML Publishing
2. Data Set Publishing
3. SAS Output Publishing
4. Tabulate Publishing
5. Graphical Publishing with GIFs 6.09
6. Graphical Publishing with GIFs 6.09e and 6.12
7. Graphical Publishing with transparent GIFs
8. Graphical Publishing with animated GIFs
9. Graphical Publishing with JPEGs
10. Data Set Publishing with Viewtable
11. Data Set Publishing with SAS/AF Software

The following is the code used in each demonstration. Some examples assume the downloaded Web Publishing macros have been installed on the machine used to create the HTML.

Basic HTML Publishing

```
PROGRAM EDITOR - web1
Command ===
00001 libname saved 'c:\sas';
00002 data _null_;
00003   set saved.demograp end=x;
00004   file 'c:\datenull.html';
00005   if _n_ = 1 then do;
00006     put '<h1>SAS Data Set Demograf</h1>';
00007     put '<h2>from the Saved library</h2>';
00008   / '<ol>';
00009   end;
00010   put '<li>' gender children cars salary dollars.;
00011   if x then put '';
00012 run;
00013 x 'c:\progra~1\intern\i\explora.exe c:\datenull.html';
00014
```

SAS Data Set Demograf from the Saved library

1. F 0 0 \$0
2. F 0 0 \$0
3. F 0 0 \$0
4. F 0 1 \$13,000
5. F 1 1 \$5,600
6. F 2 1 \$8,000
7. F 3 1 \$15,000
8. F 1 1 \$18,000
9. F 0 1 \$30,000
10. F 2 2 \$0
11. F 2 1 \$18,000
12. F 3 2 \$0

Data Set Publishing with DS2HTM

```
PROGRAM EDITOR - web2
Command ===
00001 libname saved 'c:\sas';
00002 data work.demograp;
00003   set saved.demograp;
00004   format salary dollar10.;
00005 run;
00006
00007 title1 'Data Set Table';
00008
00009 xds2htm(data =work.demograp,
00010   where =status ^= 'SEP',
00011   var =gender status children salary,
00012   htmlfile=c:\tset1.html,
00013   runmode =b);
00014
00015 x 'c:\progra~1\intern\i\explora.exe c:\tset1.html';
00016
```

GENDER	STATUS	CHILDREN	SALARY
F	S	0	\$0
F	S	0	\$0
F	S	0	\$0
F	S	0	\$13,000
F	M	1	\$5,600
F	D	2	\$8,000
F	M	3	\$15,000
F	S	0	\$30,000
F	M	2	\$0
F	M	2	\$18,000
F	M	3	\$0
F	M	2	\$0
F	M	2	\$10,000
F	M	3	\$30,000

```

000001 libname saved 'c:\save';
000002 XoutZht(capture=on);
000003
000004 title1 'Proc Report Output';
000005 options nodate formchar='|----|----|----|';
000006 proc print data=saved.demograf;
000007   column gender status age salary children cars;
000008   define gender / group format= ss. width=8 spacing=2 left 'gender';
000009   define status / group format= ss. width=8 spacing=2 left 'status';
000010   define age / mean format= 3. width=8 spacing=2 right 'age';
000011   define salary / sum format= best. width=8 spacing=2 right 'salary';
000012   define children / mean format= best. width=8 spacing=2 right 'children';
000013   define cars / sum format= best. width=8 spacing=2 right 'cars';
000014   break after gender / ol skip summarize;
000015 run;
000016
000017 title1 'Proc Frag Output';
000018 proc frag data=saved.demograf;
000019   table status,gender;
000020 run;
000021
000022 title1 'Proc Tabulate Output';
000023 proc tabulate data=saved.demograf;
000024   class status gender;
000025   var salary;
000026   table status,gender*salary;
000027 run;
000028
000028 XoutZht(capture=off,
000029         runmode=b
000030         htmlfile=c:\test1.html,
000031         ctext=blue,
000032         collars=green);
000033 %let34 x 'c:\program\inters\in\explare.exe c:\test1.html';

```

Proc Report Output					
GENDER	STATUS	AGE	SALARY	CHILDREN	CARS
Y	D	29	8000	2	1
	H	43	131600	31	20
	S	17	43000	0	2
	SEP	23	18000	1	1
	W	46	30000	3	1

F		35	110400	37	25
X	D	35	20000	5	2
	H	37	118100	10	9
	S	17	17800	0	2
	SEP	55	12000	2	1

H		31	168100	25	14

TABLE OF STATUS BY GENDER

STATUS	GENDER		
Frequency:			
Percent			
Row Pct			
Col Pct	F	M	Total
D	1	2	
	2.68	5.71	8.5
	33.33	66.67	
	4.76	14.29	
M	13	6	
	37.14	17.14	54.3
	66.42	31.58	
	61.90	42.86	
S	5	5	
	14.29	14.29	28.5
	80.00	50.00	
	28.01	35.71	
SEP	1	1	
	2.86	2.86	5.7

STATUS	GENDER	
	F	M
	SALARY	SALARY
	SUM	SUM
P	8000.00	20000.00
B	131400.00	118300.00
S	43000.00	17800.00
SEP	18000.00	12000.00
V	30000.00	

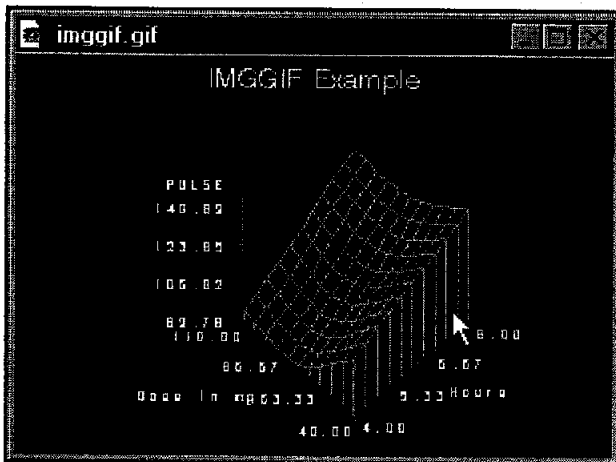
```
C:\PROGRAM FILES\STATSOFT\WinGSR>cmd
C:\Program Files\Statsoft\WinGSR>
00001 libname saved 'c:\saved';
00002 xtabEntn(capture=on);
00003
00004 title1 'Proc Tabulate Output';
00005 options nodate;
00006
00007 proc tabulate data=saved.demogrf formchar='S28344SS66TS66$Bbb$C'x format=7.;
00008   class status gender;
00009   table status*gender;
00010 run;
00011
00012 xtabEntn(capture=OFF,
00013          runmode=b
00014          htmlfilso=cttest1.html,
00015          styxmbus,
00016          toolcolor=green);
00017 * c:\program\intern\explorer.exe c:\test1.html;
00018
```

STATUS									
D		M		S		SEP		W	
GENDER		GENDER		GENDER		GENDER		GENDER	
F	M	F	M	F	M	F	M	F	
N	N	N	N	N	N	N	N	N	
1	2	13	6	5	5	1	1	1	

Graphical Publishing with GIFs 6.09

```

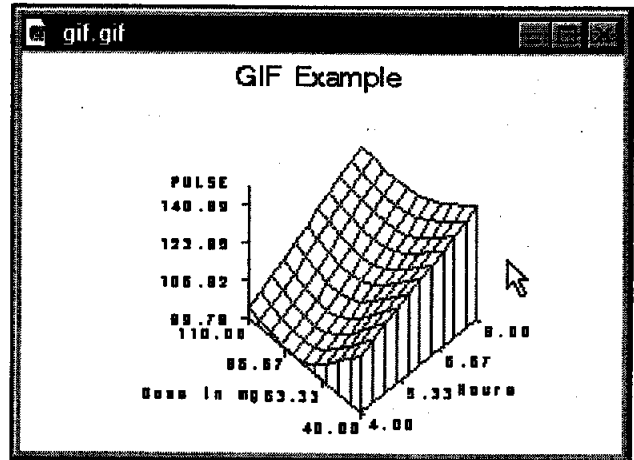
Command:
00001 * The IMGIF driver is available in Releases 6.09 and above of SRS software.
00002
00003 Xmacro imglize(w=128,h=128,dpi=95,rows=49,color=83);
00004 Xif dpi<= Xthen Xput DPI must be greater than zero.;
00005 Xelse Xdo;
00006   options helixkeyvalue((h/dpi))in valizekeyvalue((h/dpi))in
00007   hpos=scale upos=bruse;
00008 Xend;
00009 Xend imglize;
00010
00011 filename out "c:\imgif.gif";
00012 options resetall resetglobal;
00013 options dcmimgif getnameout getnamereplace;
00014 Ximglize(w=128,h=128,dpi=95,rows=49,color=83);
00015
00016 proc g3grid data=aved.contour outwork.smooth;
00017   grid dcm=regularypulses/smooth spline;
00018 run;
00019 title "IMGIF Example";
00020 proc g3d data=work.smooth;
00021   label dcm="Dose in mg regulary's hours";
00022   plot dcm=regularypulses / tilt=45 rotate=45 side;
00023 run;
00024
00025 x "C:\Program\Common\NMicros\PhotoEd\PHOTOED.DXE c:\imgif.gif";
  
```



Graphical Publishing with GIFs 6.09e and 6.12

```

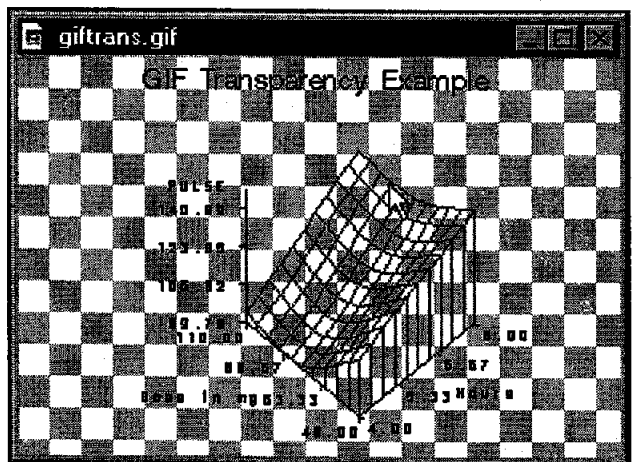
Command:
00001 * The GIF device driver is available in Releases 6.09e and 6.12 of SRS software.
00002 * Transparency is supported.
00003
00004 Xmacro imglize(w=128,h=128,dpi=95,rows=49,color=83);
00005 Xif dpi<= Xthen Xput DPI must be greater than zero.;
00006 Xelse Xdo;
00007   options helixkeyvalue((h/dpi))in valizekeyvalue((h/dpi))in
00008   hpos=scale upos=bruse;
00009 Xend;
00010 Xend imglize;
00011
00012 filename out "c:\gif.gif";
00013 options resetall resetglobal;
00014 options dcmimgif getnameout getnamereplace;
00015 Ximglize(w=128,h=128,dpi=95,rows=49,color=83);
00016
00017 proc g3grid data=aved.contour outwork.smooth;
00018   grid dcm=regularypulses/smooth spline;
00019 run;
00020 title "GIF Example";
00021 proc g3d data=work.smooth;
00022   label dcm="Dose in mg regulary's hours";
00023   plot dcm=regularypulses / tilt=45 rotate=45 side;
00024 run;
00025
00026 x "C:\Program\Common\NMicros\PhotoEd\PHOTOED.DXE c:\gif.gif";
00027
  
```



Graphical Publishing with GIFs 6.09e and 6.12 Transparency Example

```

Command:
00001 * The GIF device driver is available in Releases 6.09e and 6.12 of SRS software.
00002 * Transparency Example.
00003
00004 filename gdevice "c:\temp";
00005 proc gdevice gdevice=device name;
00006   copy gif from=help.devices name=giftrans;
00007   end giftrans use="gif";
00008 quit;
00009
00010 Xmacro imglize(w=128,h=128,dpi=95,rows=49,color=83);
00011 Xif dpi<= Xthen Xput DPI must be greater than zero.;
00012 Xelse Xdo;
00013   options helixkeyvalue((h/dpi))in valizekeyvalue((h/dpi))in
00014   hpos=scale upos=bruse;
00015 Xend;
00016 Xend imglize;
00017
00018 filename out "c:\giftrans.gif";
00019 options resetall resetglobal;
00020 options dcmgiftrans getnameout getnamereplace;
00021 Ximglize(w=128,h=128,dpi=95,rows=49,color=83);
00022
00023 proc g3grid data=aved.contour outwork.smooth;
00024   grid dcm=regularypulses/smooth spline;
00025 run;
00026 title "GIF Transparency Example";
00027 proc g3d data=work.smooth;
00028   label dcm="Dose in mg regulary's hours";
00029   plot dcm=regularypulses / tilt=45 rotate=45 side;
00030 run;
00031
00032 x "C:\Program\Common\NMicros\PhotoEd\PHOTOED.DXE c:\giftrans.gif";
00033
  
```

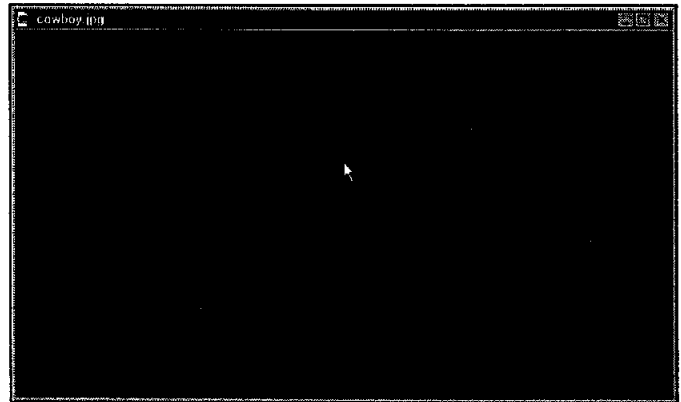


[illegible]

Destiny Corporation GIF Animation Training Example (c) 1999

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The screenshot shows the SAS File Manager interface. At the top, the 'Save as' dialog is open, with the filename 'Sas612' entered in the text field. Below the dialog, the file manager displays a directory tree on the left and a list of files in the main pane. The directory tree includes folders like 'access', 'al', 'assist', 'base', 'calc', 'connect', 'core', 'eis', 'ets', 'fap', 'gis', 'graph', 'ideo', 'insight', 'IntriNet', 'maps', 'mdbabserv', 'odbc', 'rediet', 'Sascfg', 'sasuser', 'Saswork', 'share', and 'stat'. The main pane shows a list of files with their names and sizes.



The screenshot shows a web browser window with the address bar displaying "C:\viewtab1.html". The browser's toolbar includes buttons for Back, Forward, Stop, Reload, Home, Search, Favorites, and History. The main content area displays a table with the following data:

12	F	0	S	0	0
16	F	0	S	0	0
6	F	0	S	0	0
22	F	13000	S	0	1
26	F	5600	M	1	1
29	F	8000	D	2	1
28	F	15000	M	2	1

The following screen is displayed. Select the **WORK** library.

```

GDEVICES  C:\temp
MAPS      C:\SASB1E\maps
SASHELP   C:\SASB1E\InterNet\sasHELP" "C:\SASB1E\SASCFB" "C:\SASB1E\sasre\sasre
SASUSER   C:\SASB1E\sasuser
SAVED     C:\sas
WORK      C:\SASB1E\SAS\WORK\TKN*TD51253

```

Select File, New, Catalog. Type democat in the following prompt window:



Click 

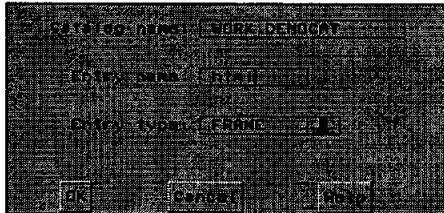
```

DEMOCAT
GSEG
SASGOPT
SASNACR
HTMLQ_

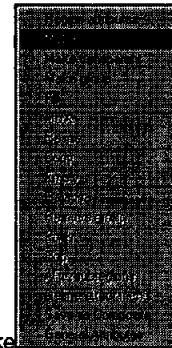
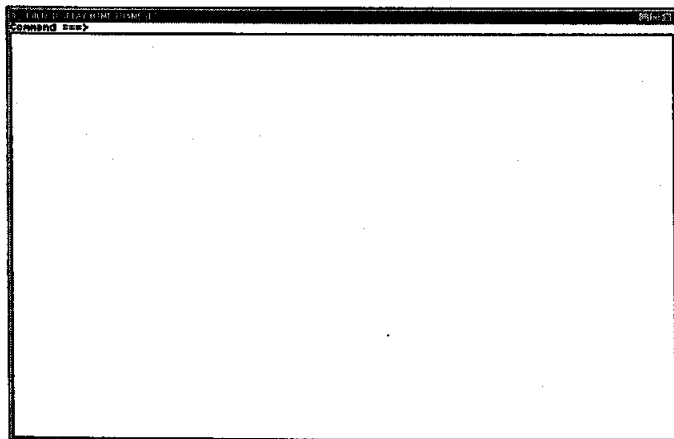
```

DEMOCAT is created:

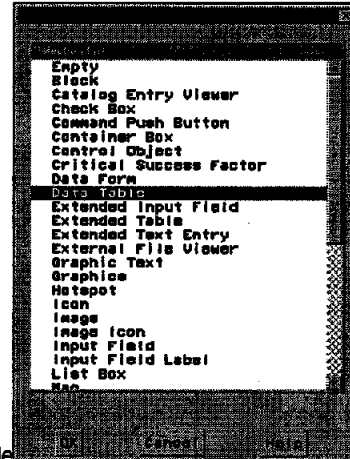
Select File, New, Entry to see the following Prompt Window:



Type html as the name of the Frame. Click  and the following frame will appear.

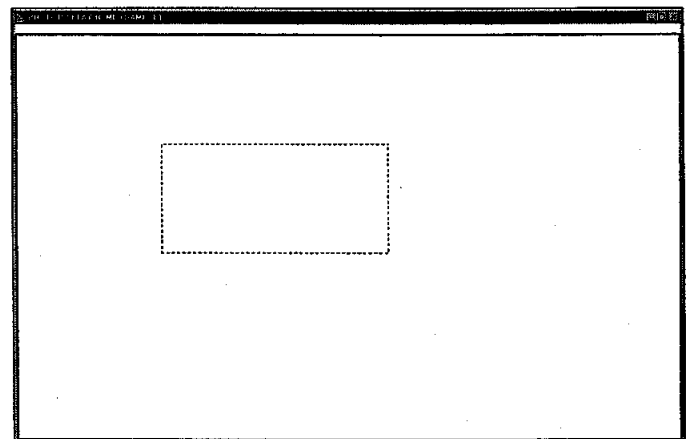


Right click and select Make

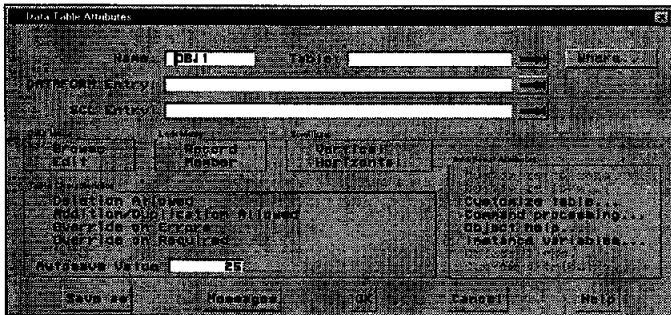


Datatable

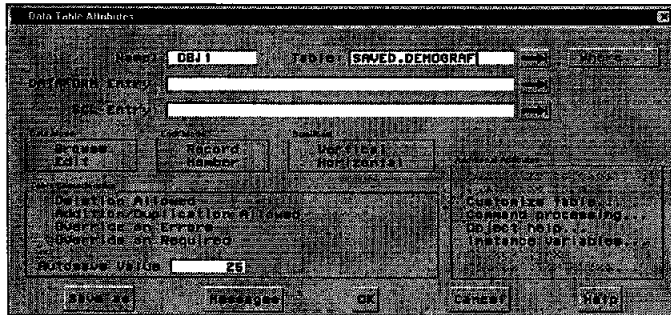
Click  to place the table on the frame.



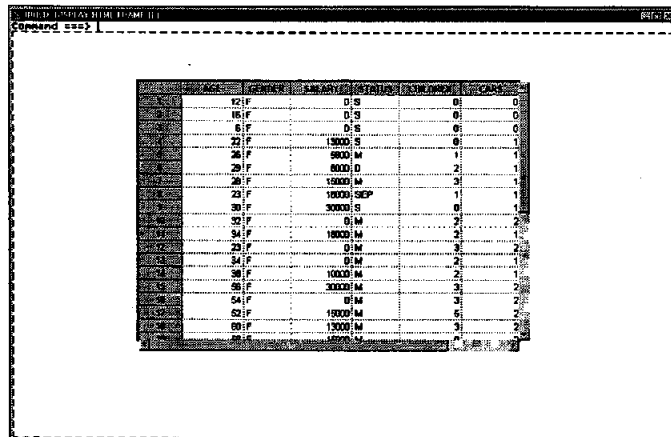
Click the left mouse button to anchor the table. The following attribute screen appears:



Fill in the name of a SAS data set.



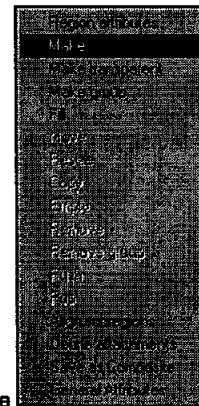
Click  and the table will appear.



type Source on the command line to see the Source (SCL) window.
Type in the following:

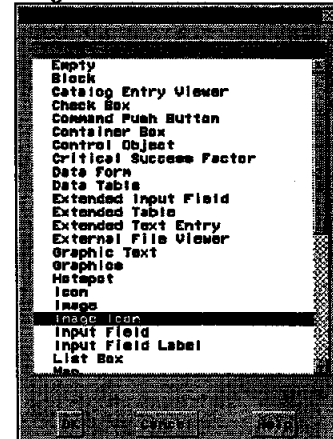


Type End on the command line to return to the Display Frame.



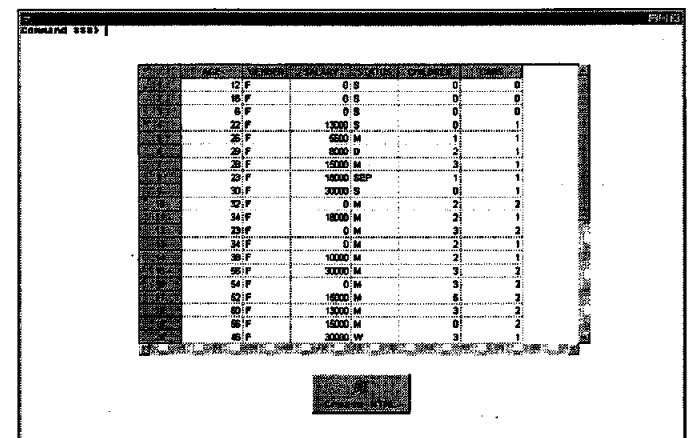
Right Click and select Make

Image Icon



and click 

Select Locals, Compile and Locals, Testaf to see the following screen.



Click  and the file C:\AF.HTM will be created and will look like the following.

C:\val.htm - Microsoft Internet Explorer

C:\val.htm

	DATE	TIME	STATUS	PARAMETER	VALUE
	12	F	0	S	0
	16	F	0	S	0
	6	F	0	S	0
	22	F	13000	S	0
	26	F	5600	M	1
	29	F	8000	D	2

Any further questions regarding these topics can be found in our Web Publishing course. Contact 1-800-7TRAINING for more information.