

# **Module 2**

## **Selection of Tables**



When selecting tables, the main task window has an area where the user is asked to identify the text file which is to be merged with the data file(s) to produce the appropriate tables. It is important that the framework file chosen matches the data type of the data file. For example, if the input system file contains Standard Table data, then the framework file chosen must be the Standard Tables File.

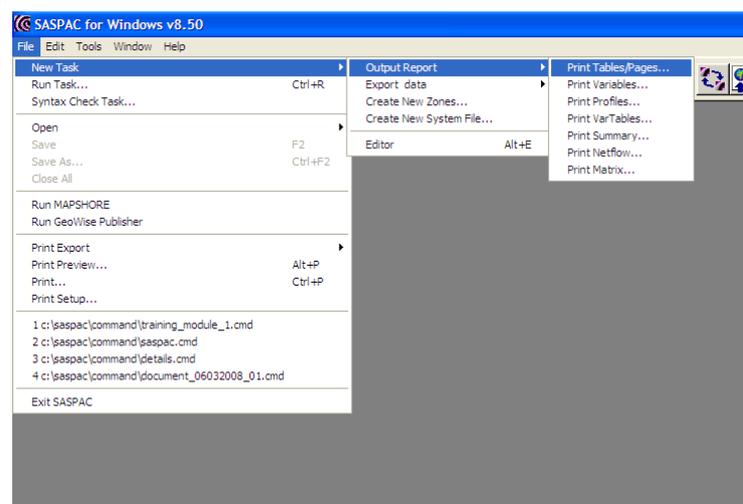
The standard procedure for selection of tables is similar to that for the selection of variables, with access to the searching facilities being made through a 'Select Tables' Command Button rather than a 'Search Tables' Command Button. When this button is used, the window offered to the user mirrors that presented while searching for variables, except there are only three buttons - the Header Variables button is not present.

However, there is one major difference between the two procedures. In variable selection, clicking the mouse button on a variable identifier automatically writes that code to the 'Variable(s) selected' text box. In table selection, a table identified as required is only written to the text box when the 'Select Table' Command Button is clicked in the 'Table(s) Selected' window.

## Example

For all London Boroughs print the table which shows Proficiency in English and Age on arrival in the UK, and also the one which shows numbers of Buddhists by Sex and Age. Convert the tables to HTML format and input a table into Excel.

1. Again the question is "What sort of task is this?" to which the answer is that it is to produce tables as a printed report, and so the first stage is to identify this to SASPAC through the menu options as shown on the following screen.



As with the 'Print Variables' task discussed in Module 1, there is now a shortcut to the main 'Print Tables' task window, available through the Button Bar, and this is shown below.



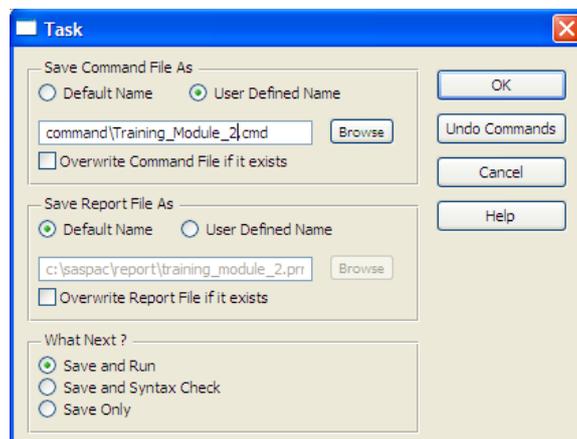
As in selecting variables, keywords or text can be searched, and by using the former we can ascertain that table DC2803EW is the required table for proficiency in English and age at arrival. To find the required table for Female Buddhists, we shall use the 'Text...' button and enter the text 'Buddhist' in the 'INCLUDE' text box.

This shows us that there are several tables containing this word in the text, and if the first is selected (table DC2107EW) the table layout is offered to us. This shows that age is also a constituent of this table by that the first page (1 of 3) is concerned with all usual residents. Using the page select arrows at the top of the page to tab through pages 2 and 3 we can see the same layout but for Male and then Females.

When the 'Select Table' Command Button is used, the table identifier is written to the 'Table(s) selected' text box, and the table layout is stamped 'SELECTED'.

	ALL USUAL RESIDENTS	Christian	Buddhist	Hindu	Jewish	Muslim	Sikh	Other religion	No Religion	Religion not stated
All USUAL RESIDENTS	1	2	3	4	5	6	7	8	9	10
Age 0 to 4	11	12	13	14	15	16	17	18	19	20
Age 5 to 9	21	22	23	24	25	26	27	28	29	30
Age 10 to 14	31	32	33	34	35	36	37	38	39	40
Age 15 to 19	41	42	43	44	45	46	47	48	49	50
Age 20 to 24	51	52	53	54	55	56	57	58	59	60
Age 25 to 29	61	62	63	64	65	66	67	68	69	70
Age 30 to 34	71	72	73	74	75	76	77	78	79	80
Age 35 to 39	81	82	83	84	85	86	87	88	89	90
Age 40 to 44	91	92	93	94	95	96	97	98	99	100
Age 45 to 49	101	102	103	104	105	106	107	108	109	110
Age 50 to 54	111	112	113	114	115	116	117	118	119	120
Age 55 to 59	121	122	123	124	125	126	127	128	129	130
Age 60 to 64	131	132	133	134	135	136	137	138	139	140
Age 65 to 69	141	142	143	144	145	146	147	148	149	150
Age 70 to 74	151	152	153	154	155	156	157	158	159	160
Age 75 to 79	161	162	163	164	165	166	167	168	169	170
Age 80 to 84	171	172	173	174	175	176	177	178	179	180
Age 85 and over	181	182	183	184	185	186	187	188	189	190
	191	192	193	194	195	196	197	198	199	200
	201	202	203	204	205	206	207	208	209	210
	211	212	213	214	215	216	217	218	219	220

- Once the tables required for printing have been identified, there still remains a requirement to identify the input system files. The file required is 2011 DETAILED CHARACTERISTICS FOR DISTRICTS IN LONDON.SYS, as the task is to print tables from the Detailed Characteristics Tables for all London Boroughs. After this file is selected, the task may be run.



Every time a new task is created through the appropriate menu/window sequence, the last stage is the 'Task' window as shown above. This window allows the user to allocate a Command File name other than the default of SASPAC.COMD. To do this, the 'User Defined Name' radio button is selected, and an appropriate name is then entered in the text box. There is no obligation to change from the default, but if there is a need to save any command files or output report files, then it is advisable that an appropriate name is allocated.

5. The command file generated by this sequence is:

```
input system file name = "C:\SASPAC\Training /
System Files\2011 DETAILED CHARACTERISTICS /
FOR DISTRICTS IN LONDON. SYS"
input framework file = c:\saspac\frwork\dc11.fwk
print tables DC2803EW DC2107EW
output print file =
C:\SASPAC\REPORT\TRAININGMODULE2.PRN
end
fini sh
```

6. After the task has run the 'Print Preview' Command Button may be used to examine the output before it is printed. This produces the output on screen as shown below.

2011 Census Detailed Characteristic Tables  
 PRODUCED USING SASPAC  
 Area Identifier - EN9000010  
 Enfield  
 Geography available: Ward,MOA,LA,UA  
 Data licensed under the Open Government Licence

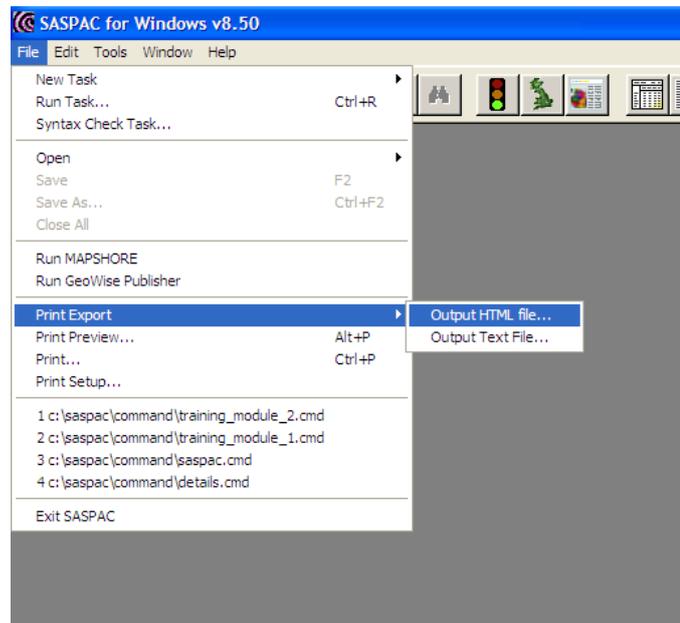
Table DC2107EW Religion by sex by age  
 Table population: All usual residents  
 Page 1 of 3

	ALL USUAL RESIDENTS	Christian	Buddhist	Hindu	Jewish	Muslim	Sikh	Other religion	No religion	Religion not stated
All USUAL RESIDENTS	312,466	167,417	1,824	10,927	4,412	52,141	1,078	1,950	48,822	24,195
Age 0 to 4	24,513	10,784	80	595	161	5,811	82	47	4,004	2,031
Age 5 to 9	13,047	6,162	47	337	82	3,355	39	39	1,783	1,162
Age 10 to 14	7,650	3,787	20	225	45	2,029	25	24	1,055	662
Age 15 to 19	20,000	10,002	73	560	180	4,707	65	60	2,474	1,471
Age 20 to 24	4,253	2,186	21	129	29	863	15	26	660	324
Age 25 to 29	8,347	4,254	31	235	77	1,759	25	42	1,501	663
Age 30 to 34	7,714	3,783	39	223	52	1,497	36	30	1,535	534
Age 35 to 39	21,726	10,379	115	706	174	3,855	65	114	4,594	1,693
Age 40 to 44	24,907	11,813	155	858	201	4,675	82	184	5,000	1,822
Age 45 to 49	24,159	11,625	215	1,121	185	4,839	111	152	4,226	1,655
Age 50 to 54	22,210	10,697	185	841	219	4,508	104	132	4,114	1,450
Age 55 to 59	23,946	12,560	145	755	219	3,957	95	173	4,233	1,653
Age 60 to 64	22,497	13,054	187	796	272	3,092	59	141	3,730	1,544
Age 65 and over	16,949	11,187	150	795	281	2,159	57	221	2,741	1,245
Age 65 to 69	14,958	9,247	100	758	317	1,510	40	164	2,106	1,130
Age 70 to 74	13,692	8,436	82	611	371	1,100	52	140	1,542	1,088
Age 75 to 79	11,144	7,171	61	411	335	969	36	81	1,333	947
Age 80 to 84	9,220	6,270	35	391	290	721	27	48	634	491
Age 85 to 89	7,420	5,059	18	343	254	614	14	38	460	453
Age 90 to 94	5,539	4,091	9	134	201	210	4	30	328	444
Age 95 and over	5,282	4,008	3	65	304	113	2	24	271	492

Footnotes:  
 1. Source: Office for National Statistics  
 2. Equivalent 2001 Census Table was ST103 Religion  
 3. Unlike other census questions where missing answers are imputed, this question was voluntary and where no answer was provided the response is categorised as 'not stated'.

The banner heading on this page indicates that it is page 66, which happens to be the last page. This consists of two tables printed for each of 33 areas. This highlights the potential dangers in using SASPAC without the ability to filter out on areas. The current exercise has produced output for every area on the input system file. If that file had contained 1,000 areas which is entirely possible, then the output produced would have consisted of 2,000 pages. Selecting areas is thus a very useful tool within SASPAC and the next module deals with various ways of doing this.

- The print file generated by this task can, if required, be converted to a HTML format by use of the 'File/Print Export/Output HTML' file menu option as shown below.

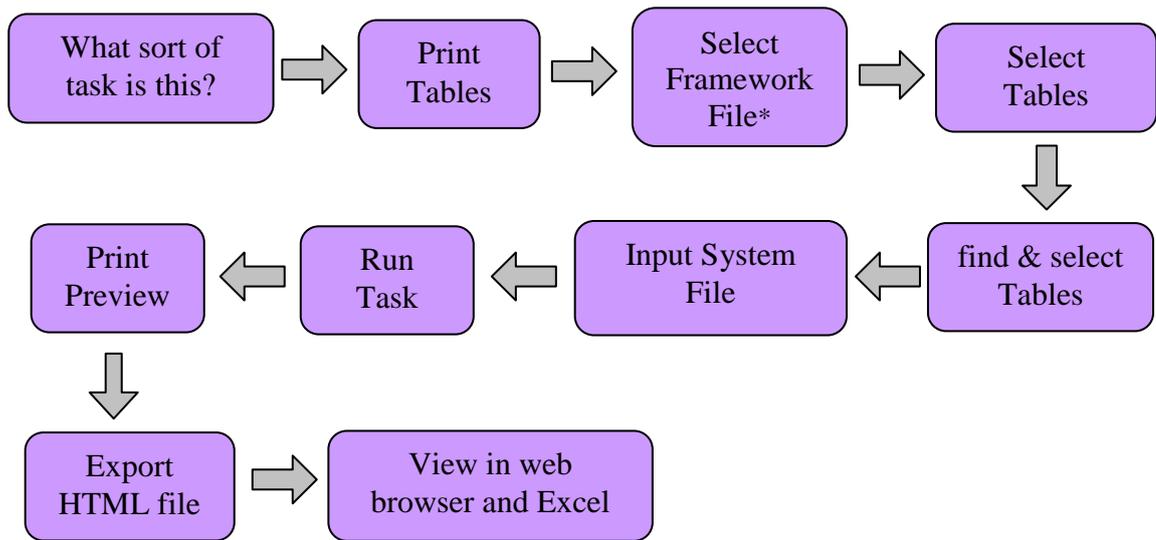


Once this route is followed, the user is presented with a set of Windows dialogue boxes which ask first for the name of the print file to be converted, and then the name and location of the index HTML file to be generated by this process. Once these files are located, the software will automatically create the necessary files. These consist of an index file and a set of files presenting each page of the print file as a separate HTML file. The index file contains hyperlinks to each of the page files as shown below.

Filename	Zone ID	Zone Description	Table Name	Table Description
<a href="#">DC2107EW 1 E09000001.htm</a>	E09000001	Inner London	DC2107EW Page 1 of 3	Religion by sex by age Table population: All usual residents
<a href="#">DC2107EW 2 E09000001.htm</a>	E09000001	Inner London	DC2107EW Page 2 of 3	Religion by sex by age - Males Table population: All usual male residents
<a href="#">DC2107EW 3 E09000001.htm</a>	E09000001	Inner London	DC2107EW Page 3 of 3	Religion by sex by age - Females Table population: All usual female residents
<a href="#">DC2107EW 1 E09000002.htm</a>	E09000002	Outer London	DC2107EW Page 1 of 3	Religion by sex by age Table population: All usual residents
<a href="#">DC2107EW 2 E09000002.htm</a>	E09000002	Outer London	DC2107EW Page 2 of 3	Religion by sex by age - Males Table population: All usual male residents
<a href="#">DC2107EW 3 E09000002.htm</a>	E09000002	Outer London	DC2107EW Page 3 of 3	Religion by sex by age - Females Table population: All usual female residents
<a href="#">DC2107EW 1 E09000003.htm</a>	E09000003	Outer London	DC2107EW Page 1 of 3	Religion by sex by age Table population: All usual residents
<a href="#">DC2107EW 2 E09000003.htm</a>	E09000003	Outer London	DC2107EW Page 2 of 3	Religion by sex by age - Males Table population: All usual male residents
<a href="#">DC2107EW 3 E09000003.htm</a>	E09000003	Outer London	DC2107EW Page 3 of 3	Religion by sex by age - Females Table population: All usual female residents
<a href="#">DC2107EW 1 E09000004.htm</a>	E09000004	Outer London	DC2107EW Page 1 of 3	Religion by sex by age Table population: All usual residents

8. Both the index file and the page files can be opened in either a web browser or in Excel. If a page file is opened in the latter, then the user can manipulate the table layout and data as necessary.

**Summary of task sequence:**



\*make sure the system file, framework file and tables selected relate to the same dataset