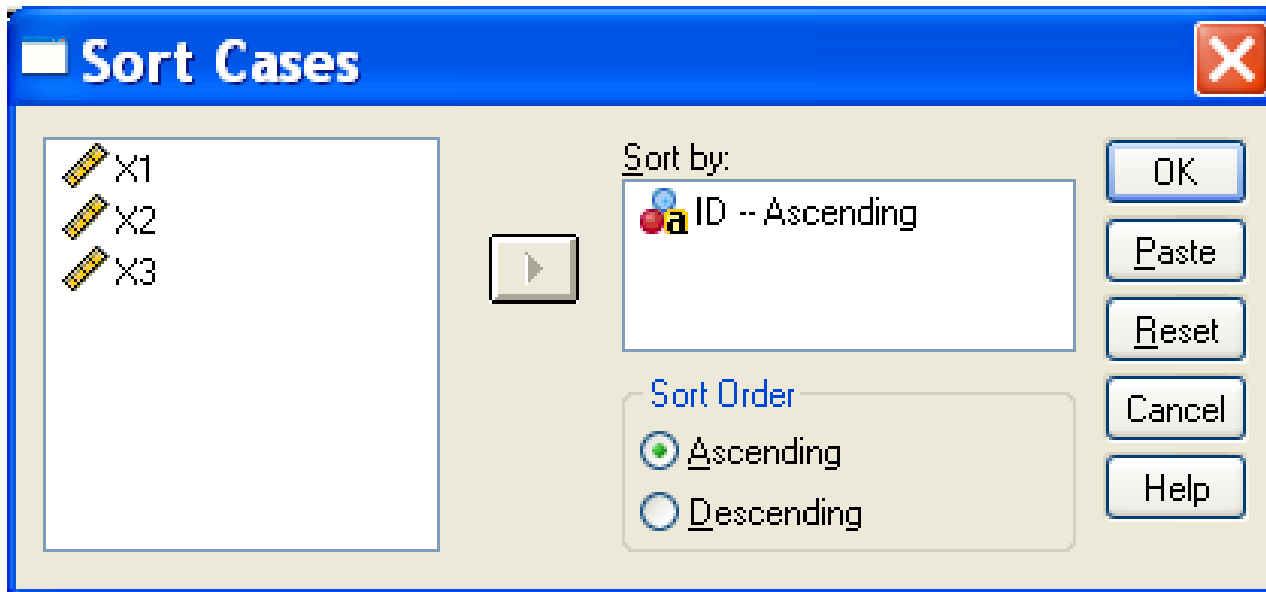
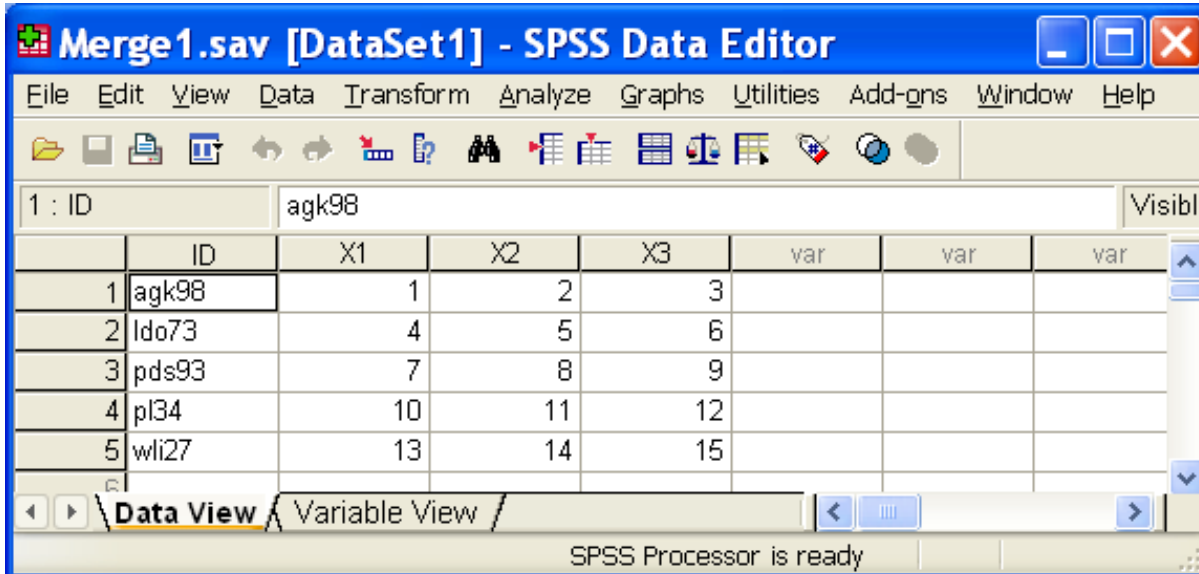


Suppose you have two data files. Each case in the one file corresponds to one case in the other file. In both files each case has an identifier, and the identifiers match across cases. You want to match up records by identifiers.

To carry out the file merge, select **Data** ➡ **Merge Files** ➡ **Add Variables.....** Before merging your data you make sure that the data must be in the same order in both files, in order to sort the data in each file by the identifier click **Data** ➡ **Sort Cases**, and then scooting the identifier into the “Sort by” box, OK.





The screenshot shows the SPSS Data Editor window titled "Merge1.sav [DataSet1]". The menu bar includes File, Edit, View, Data, Transform, Analyze, Graphs, Utilities, Add-ons, Window, and Help. The toolbar contains various icons for file operations and data manipulation. The main window displays a data table with the following content:

1 : ID	agk98	Visible				
ID	X1	X2	X3	var	var	var
1	agk98	1	2	3		
2	ldo73	4	5	6		
3	pds93	7	8	9		
4	pl34	10	11	12		
5	wli27	13	14	15		

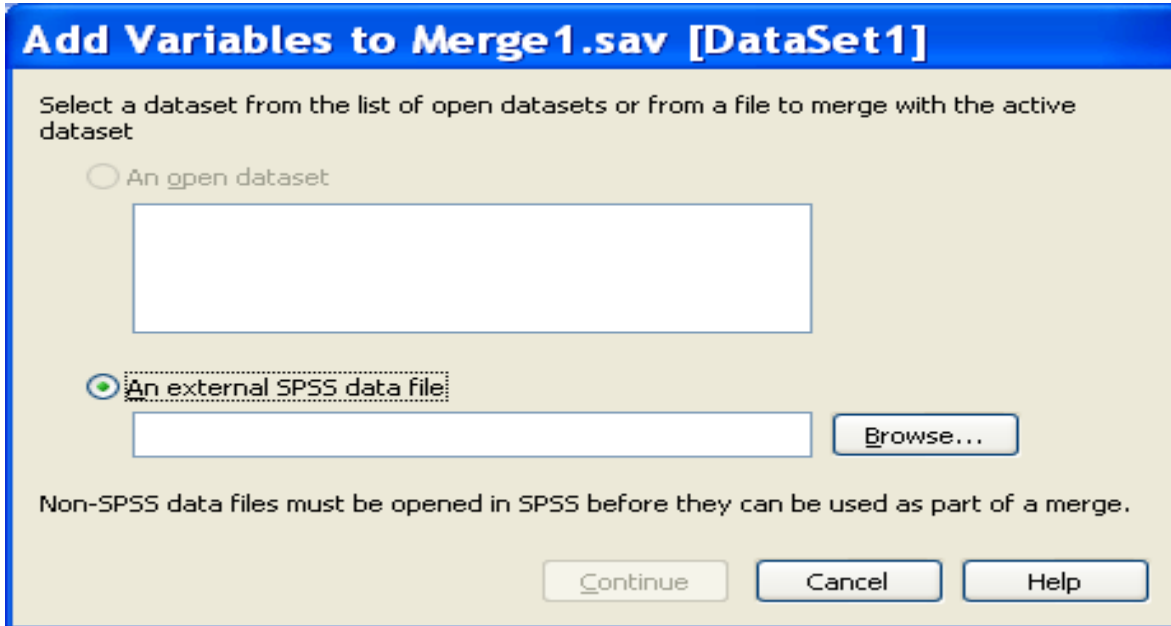
The status bar at the bottom indicates "SPSS Processor is ready".

Add Variables:

In this example I use an alphanumeric identifier, but one can also use a numeric identifier for merging.

Open the one file in SPSS here I use Merge1.sav

Click Data, Merge Files, Add Variables...



The screenshot shows the "Add Variables to Merge1.sav [DataSet1]" dialog box. The title bar reads "Add Variables to Merge1.sav [DataSet1]". The main text says: "Select a dataset from the list of open datasets or from a file to merge with the active dataset". There are two radio button options:

- An open dataset
- An external SPSS data file

Below the "An external SPSS data file" option is a text input field and a "Browse..." button. At the bottom of the dialog, there are three buttons: "Continue", "Cancel", and "Help". A note at the bottom states: "Non-SPSS data files must be opened in SPSS before they can be used as part of a merge."

If the other file is open in SPSS you may select it from the box under **An open dataset**. In this case the second file is not open, so I **Browse...** to select

Add Variables to Merge1.sav [DataSet1]

Select a dataset from the list of open datasets or from a file to merge with the active dataset

An open dataset

An external SPSS data file

{Karl Wuensch\My Documents\ECU\SPSS\Merge2.sav

Browse...

Non-SPSS data files must be opened in SPSS before they can be used as part of a merge.

Continue

Cancel

Help

Click Continue

Add Variables from ...uensch\My Documents\EC...

Excluded Variables:

Rename...



New Active Dataset:

X1 (*)
X2 (*)
X3 (*)
Y1 (+)
Y2 (+)
Y3 (+)

OK

Paste

Reset

Cancel

Help

Match cases on key variables in sorted files

Both files provide cases

Non-active dataset is keyed table

Active dataset is keyed table



Key Variables:

ID<

Indicate case source as variable:

source01

(*) = Active dataset

(+) = C:\Documents and Settings\Karl Wuensch\My Documents\ECU\SPSS\Merge2.sav

Select "Match cases on key variables in sorted files" and "Both files provide cases." Scoot the identifier (ID, which was in the Excluded Variables box) into the Key Variables box.

Click OK.

1 : ID agk98 Visible: 7 of

	ID	X1	X2	X3	Y1	Y2	Y3	va
1	agk98	1	2	3	15	14	13	
2	ldo73	4	5	6	12	11	10	
3	pds93	7	8	9	9	8	7	
4	pl34	10	11	12	6	5	4	
5	wli27	13	14	15	3	2	1	

SPSS Processor is ready

As you can see that the new variables are added at the very end of the open data file Merge1.sav.



6 : ID xyz13 Visible: 7 of

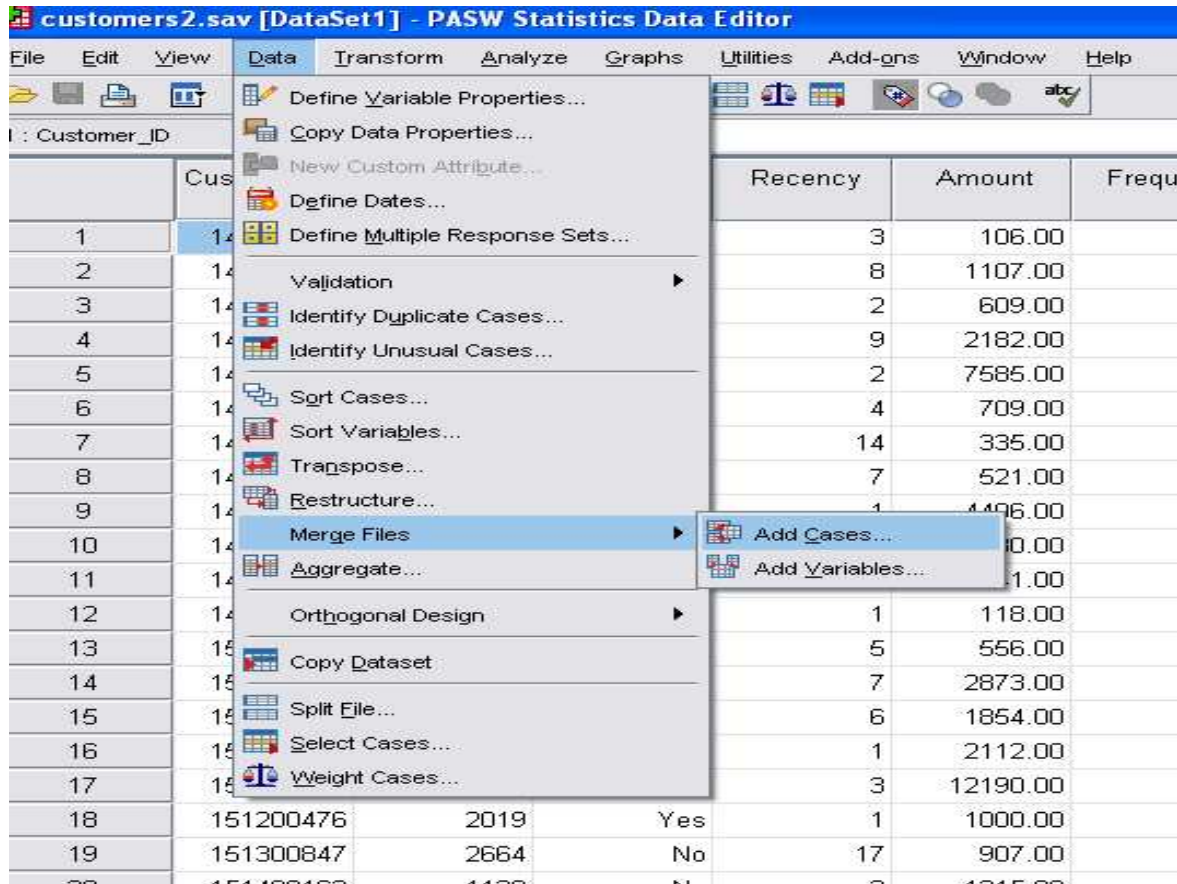
	ID	X1	X2	X3	Y1	Y2	Y3	va
1	agk98	1	2	3	15	14	13	
2	ldo73	4	5	6	12	11	10	
3	pds93	7	8	9	9	8	7	
4	pl34	10	11	12	6	5	4	
5	wli27	13	14	15	3	2	1	
6	xyz13	.	.	.	0	0	0	
7	zzz13	0	0	0	.	.	.	

SPSS Processor is ready

If you have cases in one file that do not matches with the cases in the other file. In this example I include one case in each file Merge1.sav and Merge2.sav. In that case the SPSS put the unmatched cases at the end of the identifier variable as you can see in the merged data file.

Add Cases:

You can also merge data files that have the same variables but different cases for example consider SPSS data file customers2.sav in that file we have information for 5000 customers about their age, income group etc and there is another SPSS file customers1.sav that contains information about 1000 customers for the same variables. And we want to merge these files into one file. Open customers2.sav, the bigger file, and then select **Data**  **Merge Files**  **Add Cases.....**



The screenshot shows the SPSS Data Editor interface for a file named 'customers2.sav'. The 'Data' menu is open, and the 'Merge Files' option is selected, which has opened a sub-menu where 'Add Cases...' is highlighted. The background shows a data grid with columns for 'Recency', 'Amount', and 'Frequency'.

Customer ID	Recency	Amount	Frequency
1	3	106.00	
2	8	1107.00	
3	2	609.00	
4	9	2182.00	
5	2	7585.00	
6	4	709.00	
7	14	335.00	
8	7	521.00	
9	1	4496.00	
10	1	10.00	
11	1	1.00	
12	1	118.00	
13	5	556.00	
14	7	2873.00	
15	6	1854.00	
16	1	2112.00	
17	3	12190.00	
18	1	1000.00	
19	17	907.00	

customers2.sav [DataSet1] - PASW Statistics Data Editor

File Edit View Data Transform Analyze Graphs Utilities Add-ons Window Help

1: Customer_ID 147500628

	Customer_ID	Zip_Code	Response	Recency	Amount	Frequency	Has_Child
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13	150301475	3735	Yes	5	330.00	7	Yes
14	150400296	1719	No	7	2873.00	9	No
15	150500075	949	No	6	1854.00	11	Yes

Add Cases to customers2.sav[DataSet1]

Select a dataset from the list of open datasets or from a file to merge with the active dataset

An open dataset

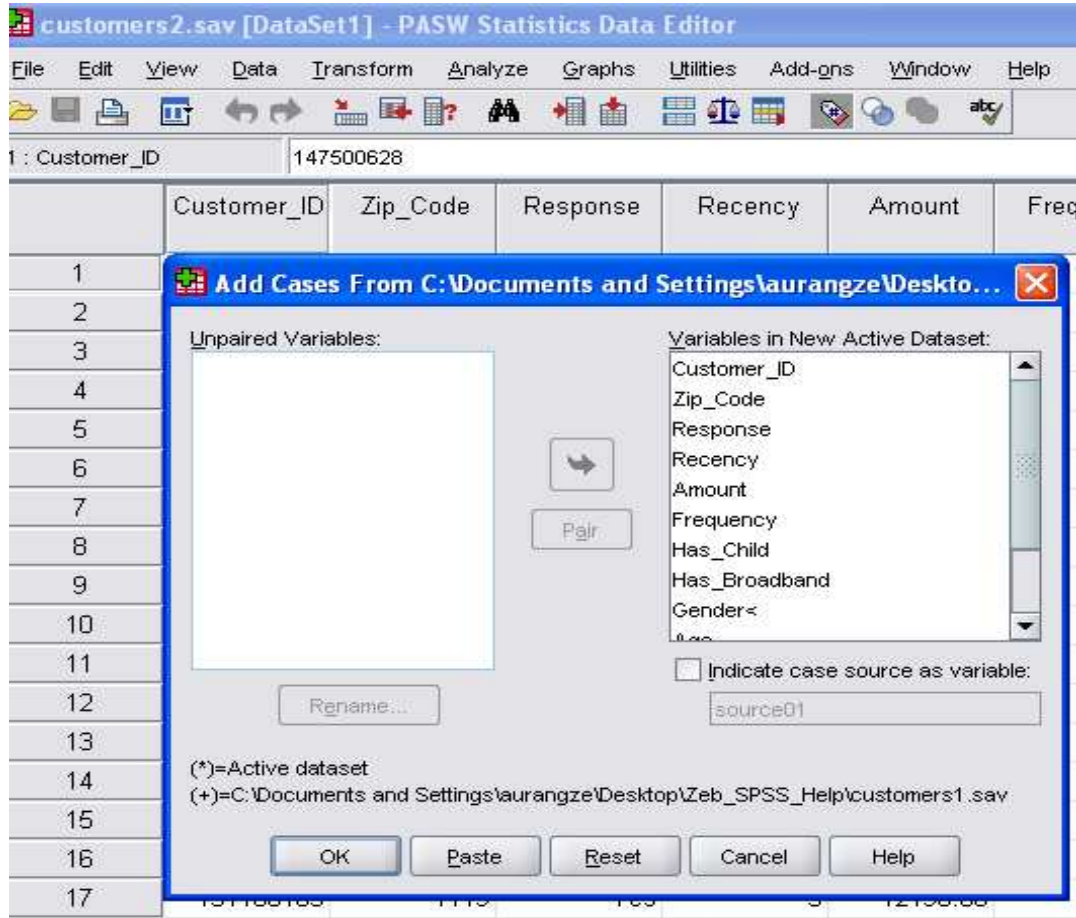
An external PASW Statistics data file

C:\Documents and Settings\aurangze\Desktop\Zeb_SPSS_Help\customers1.sav

Non-PASW Statistics data files must be opened in PASW Statistics before they can be used as part of a merge.

If the other file is open in SPSS you may select it from the box under **An open dataset**. In this case the second file is not open, so I **Browse...** to select it.

Click Continue



Click Ok

The cases are added at the end of the active data set you can check this by looking on the Customer_ID where you can find the cases from cutomers1 file