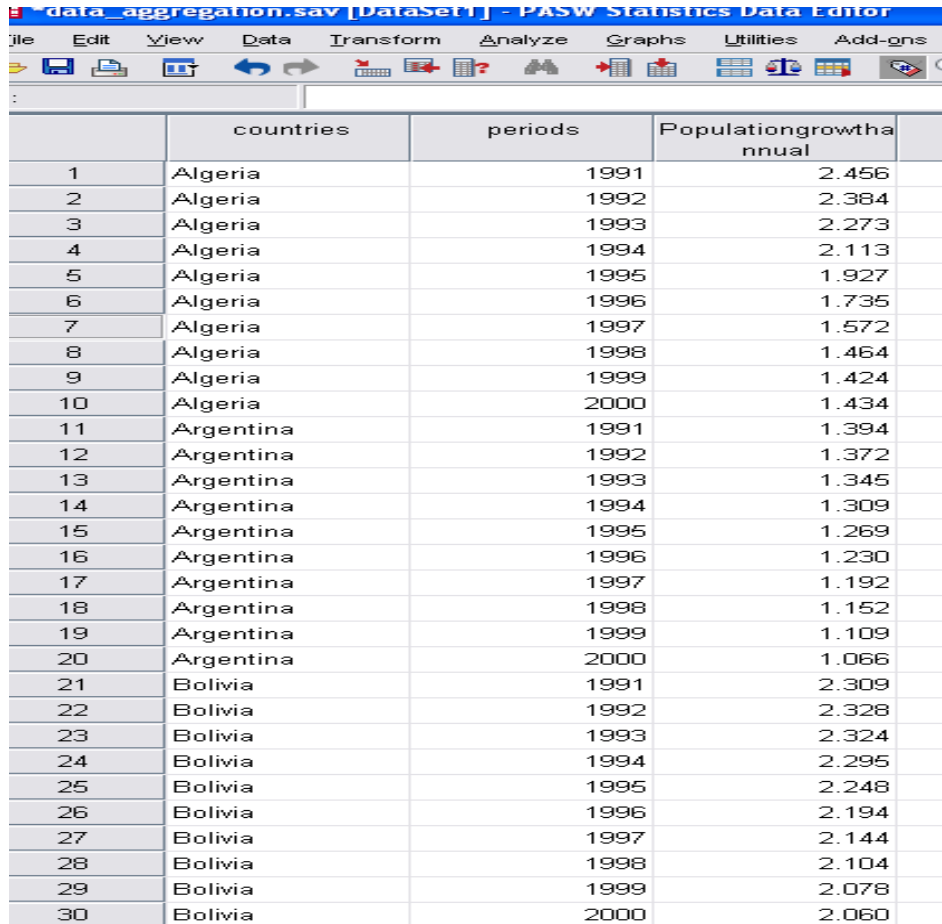


Suppose you have a population growth rates for 3 countries for the 10 years time period and you want to get average growth rate of population over the 10 year period for each country, you can do that by aggregating the cases into new file without making any changes to the original file.

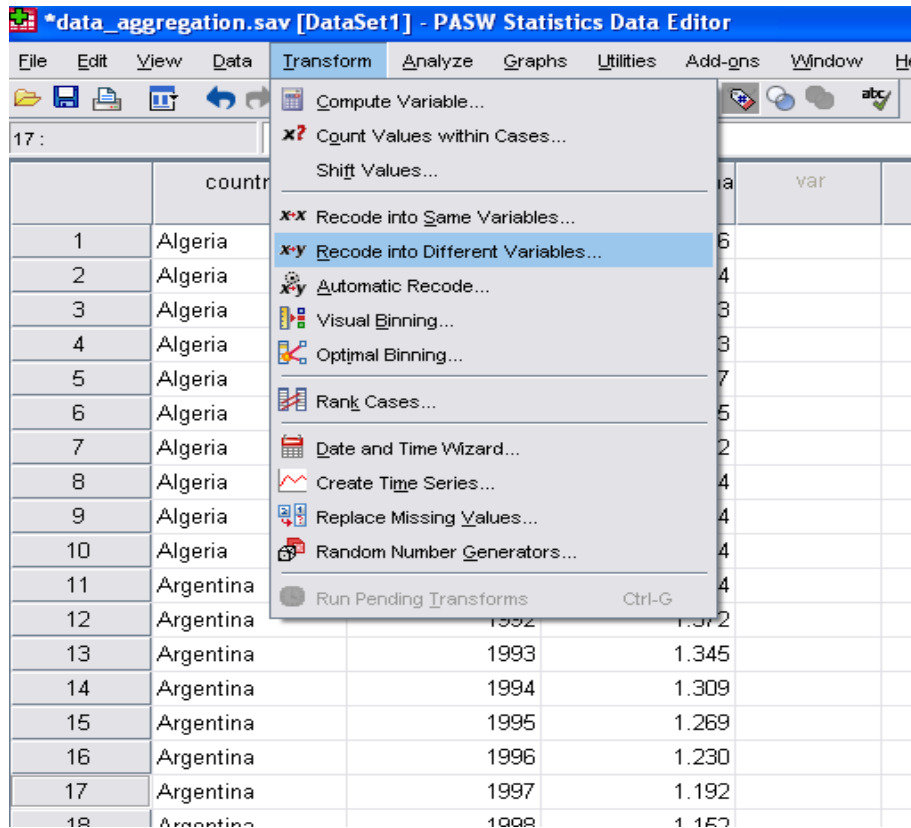


The screenshot shows the PASW Statistics Data Editor interface. The title bar reads "data_aggregation.sav [Dataset 1] - PASW Statistics Data Editor". The menu bar includes File, Edit, View, Data, Transform, Analyze, Graphs, Utilities, and Add-ons. The toolbar contains various icons for file operations, navigation, and analysis. The main data grid is as follows:

	countries	periods	Populationgrowthannual
1	Algeria	1991	2.456
2	Algeria	1992	2.384
3	Algeria	1993	2.273
4	Algeria	1994	2.113
5	Algeria	1995	1.927
6	Algeria	1996	1.735
7	Algeria	1997	1.572
8	Algeria	1998	1.464
9	Algeria	1999	1.424
10	Algeria	2000	1.434
11	Argentina	1991	1.394
12	Argentina	1992	1.372
13	Argentina	1993	1.345
14	Argentina	1994	1.309
15	Argentina	1995	1.269
16	Argentina	1996	1.230
17	Argentina	1997	1.192
18	Argentina	1998	1.152
19	Argentina	1999	1.109
20	Argentina	2000	1.066
21	Bolivia	1991	2.309
22	Bolivia	1992	2.328
23	Bolivia	1993	2.324
24	Bolivia	1994	2.295
25	Bolivia	1995	2.248
26	Bolivia	1996	2.194
27	Bolivia	1997	2.144
28	Bolivia	1998	2.104
29	Bolivia	1999	2.078
30	Bolivia	2000	2.060

Step 1:

Recode the country names into different variable:



The screenshot shows the PASW Statistics Data Editor interface. The 'Transform' menu is open, and 'Recode into Different Variables...' is highlighted. The data table below shows country names and years.

	country			
1	Algeria			
2	Algeria			
3	Algeria			
4	Algeria			
5	Algeria			
6	Algeria			
7	Algeria			
8	Algeria			
9	Algeria			
10	Algeria			
11	Argentina			
12	Argentina	1992	1.372	
13	Argentina	1993	1.345	
14	Argentina	1994	1.309	
15	Argentina	1995	1.269	
16	Argentina	1996	1.230	
17	Argentina	1997	1.192	
18	Argentina	1998	1.152	

To recode the data into different variable, from the menus choose:

Transform
Recode into different variables....

The screenshot shows the PASW Statistics Data Editor interface. The main window displays a data grid with columns: countries, periods, Populationgrowthannual, var, var, var, var. The data rows are numbered 1 to 19. A dialog box titled "Recode into Different Variables" is open, showing the process of recoding the 'countries' variable. The 'String Variable -> Output Variable:' field contains 'countries -> ?'. The 'Output Variable' section has 'Name:' set to 'countrycode'. The 'Change' button is highlighted with a black box.

	countries	periods	Populationgrowthannual	var	var	var	var
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17	Argentina		1997	1.192			
18	Argentina		1998	1.152			
19	Argentina		1999	1.192			

- Select countries in the output variable
- Type countrycode as output variable name
- Click change

String Variable -> Output Variable:
countries --> countrycode

Output Variable
Name:
countrycode
Label:

Change

Old and New Values...

If... (optional case selection condition)

OK Paste Reset Cancel Help

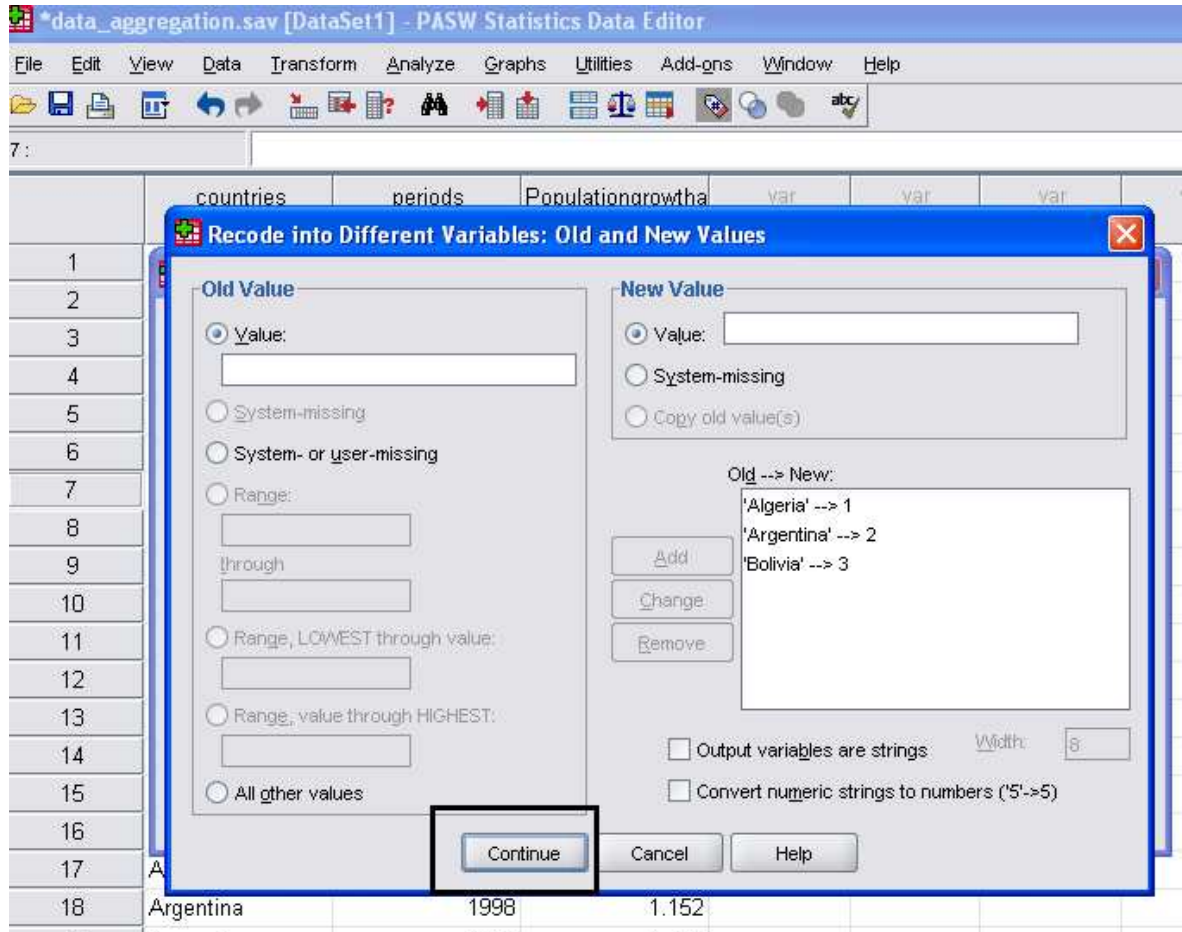
	countries	periods	Populationgrowthannual	var.	var.	var.	va
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17	Argentina	1997	1.192				
18	Argentina	1998	1.152				
19	Argentina	1999	1.109				

➤ Click Old and New Values.....

7:

	countries	periods	Populationgrowththa	var	var	var	var
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17	A						
18	Argentina	1998	1.152				
19	Argentina	1999	1.109				
20	Argentina	2000	1.066				

- In the Old Value group write the country name
- In the New Value group enter 1
- Click the Add button



- Repeat the same steps for each country
- Click Continue, and then Click OK in the main dialog box.

data_aggregation.sav [DataSet1] - PASW Statistics Data Editor

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

	countries	periods	Populationgrowthannual	countrycode	Year
1	Algeria	1991	2.456	1.00	
2	Algeria	1992	2.384	1.00	
3	Algeria	1993	2.273	1.00	
4	Algeria	1994	2.113	1.00	
5	Algeria	1995	1.927	1.00	
6	Algeria	1996	1.735	1.00	
7	Algeria	1997	1.572	1.00	
8	Algeria	1998	1.464	1.00	
9	Algeria	1999	1.424	1.00	
10	Algeria	2000	1.434	1.00	
11	Argentina	1991	1.394	2.00	
12	Argentina	1992	1.372	2.00	
13	Argentina	1993	1.345	2.00	
14	Argentina	1994	1.309	2.00	
15	Argentina	1995	1.269	2.00	
16	Argentina	1996	1.230	2.00	
17	Argentina	1997	1.192	2.00	
18	Argentina	1998	1.152	2.00	
19	Argentina	1999	1.109	2.00	
20	Argentina	2000	1.066	2.00	
21	Bolivia	1991	2.309	3.00	
22	Bolivia	1992	2.328	3.00	
23	Bolivia	1993	2.324	3.00	
24	Bolivia	1994	2.295	3.00	
25	Bolivia	1995	2.248	3.00	
26	Bolivia	1996	2.194	3.00	
27	Bolivia	1997	2.144	3.00	

The new variable is displayed in the Data Editor. Since the variable is added to the end of the file, it is displayed in the far right column in Data view and in the last row in variable view.

*data_aggregation.sav [DataSet1] - PASW Statistics Data Editor

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

7 :

		ulationgrowtha nual	countrycode
1	Alge	2.456	1.00
2	Alge	2.384	1.00
3	Alge	2.273	1.00
4	Alge	2.113	1.00
5	Alge	1.927	1.00
6	Alge	1.735	1.00
7	Alge	1.572	1.00
8	Alge	1.464	1.00
9	Alge	1.424	1.00
10	Alge	1.434	1.00
11	Arge	1.394	2.00
12	Arge	1.372	2.00
13	Arge	1.345	2.00
14	Arge	1.309	2.00
15	Arge	1.269	2.00
16	Arge	1.230	2.00
17	Arge	1.192	2.00

Define Variable Properties...
Copy Data Properties...
New Custom Attribute...
Define Dates...
Define Multiple Response Sets...
Validation
Identify Duplicate Cases...
Identify Unusual Cases...
Sort Cases...
Sort Variables...
Transpose...
Restructure...
Merge Files
Aggregate...
Orthogonal Design
Copy Dataset
Split File...
Select Cases...
Weight Cases...

To aggregate the data into new file
from the menus choose:

Data
Aggregate....

The screenshot shows the 'Aggregate Data' dialog box in PASW Statistics Data Editor. The dialog is open over a data grid with columns 'countries', 'periods', 'Populationgrowthannual', and 'countrycode'. The 'Break Variable(s)' field contains 'countrycode'. The 'Aggregated Variables' section shows 'Summaries of Variable(s):' with 'countries_first = FIRST(countries)' and 'Populationgrowthannual_mean = MEAN(Populationgrowthannual)'. The 'Save' section has 'Create a new dataset containing only the aggregated variables' selected, with 'Dataset name: aggregate' and 'File...' button. The 'Options for Very Large Datasets' section has two unchecked options: 'File is already sorted on break variable(s)' and 'Sort file before aggregating'.

- Enter the countrycode in the Break variable from the variable list.
- Enter the countries and population growth variable in the Aggregated variable list.
- Go to the save option select the option “create a new dataset containing only the aggregated variables”.
- Type any name you want to give to the aggregated file in the dataset name.
- Click OK