

SPSS Chapter 3 Example 1 - How to Random Sample

A university wishes to choose a three-member advisory committee at random from the members of an academic department. We want to choose a simple random sample of size three from the 28 faculty members listed here by surname: Abbott, Cicirelli, Cuellar, Dunsmore, Engle, Fitzpatrick, Garcia, Goodwin, Haglund, Johnson, Keegan, Luo, Martinez, Nguyen, Pillotte, Raman, Riemann, Rodriguez, Rowe, Salazar, Stone, Theobald, Vader, Wang, Wiczorek, Williams, Wilson, Wong:

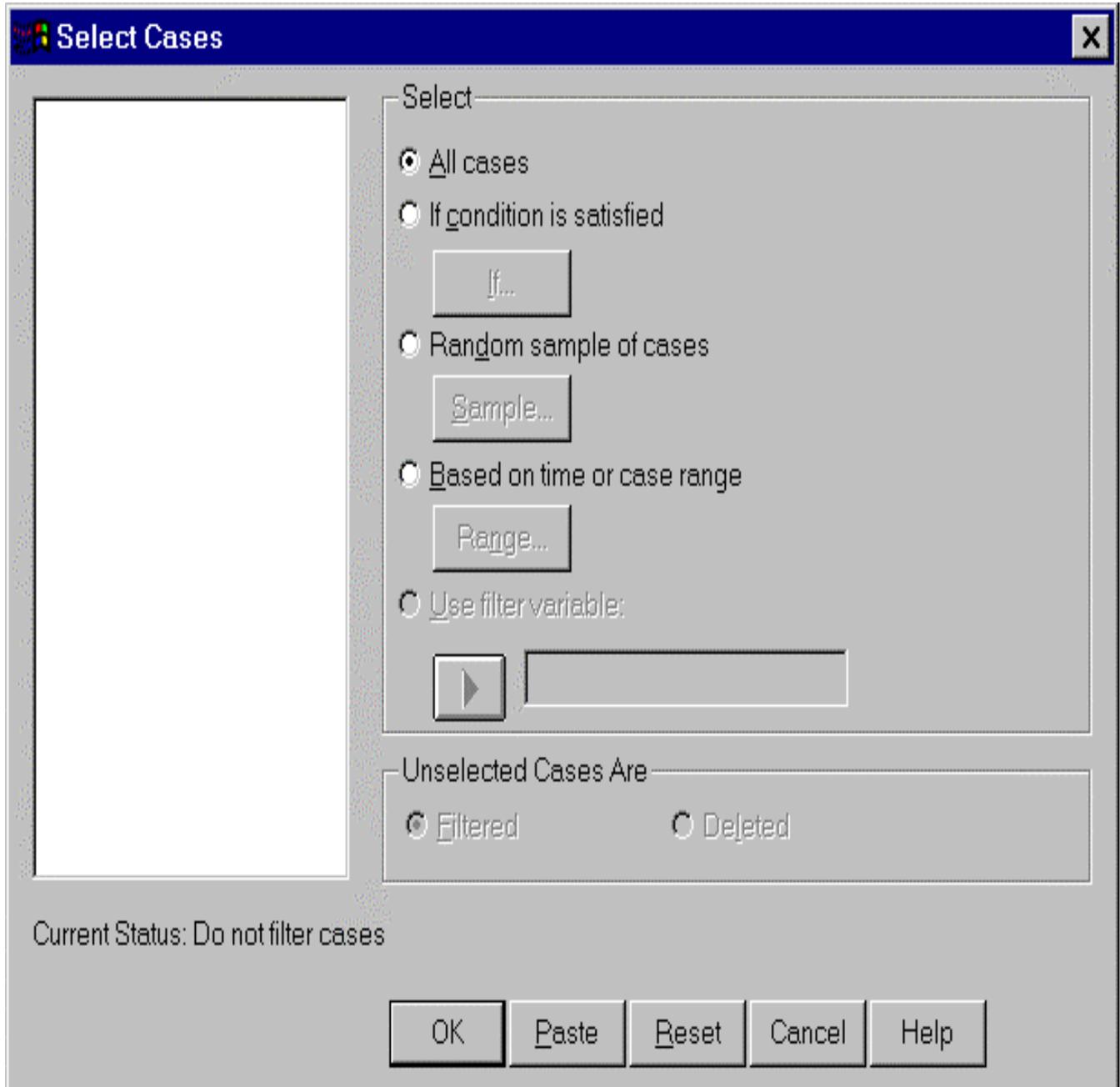
The screenshot shows the SPSS Data Editor window titled "P73 - SPSS Data Editor". The menu bar includes File, Edit, View, Data, Transform, Statistics, Graphs, Utilities, Window, and Help. The toolbar contains various icons for file operations and data manipulation. The main data grid has the following structure:

	names	var	var	var	var
1	Abbott				
2	Cicirelli				
3	Cuellar				
4	Dunsmore				
5	Engle				
6	Fitzpatrick				
7	Garcia				
8	Goodwin				
9	Haglund				
10	Johnson				
11	Keegan				
12	Luo				
13	Martinez				

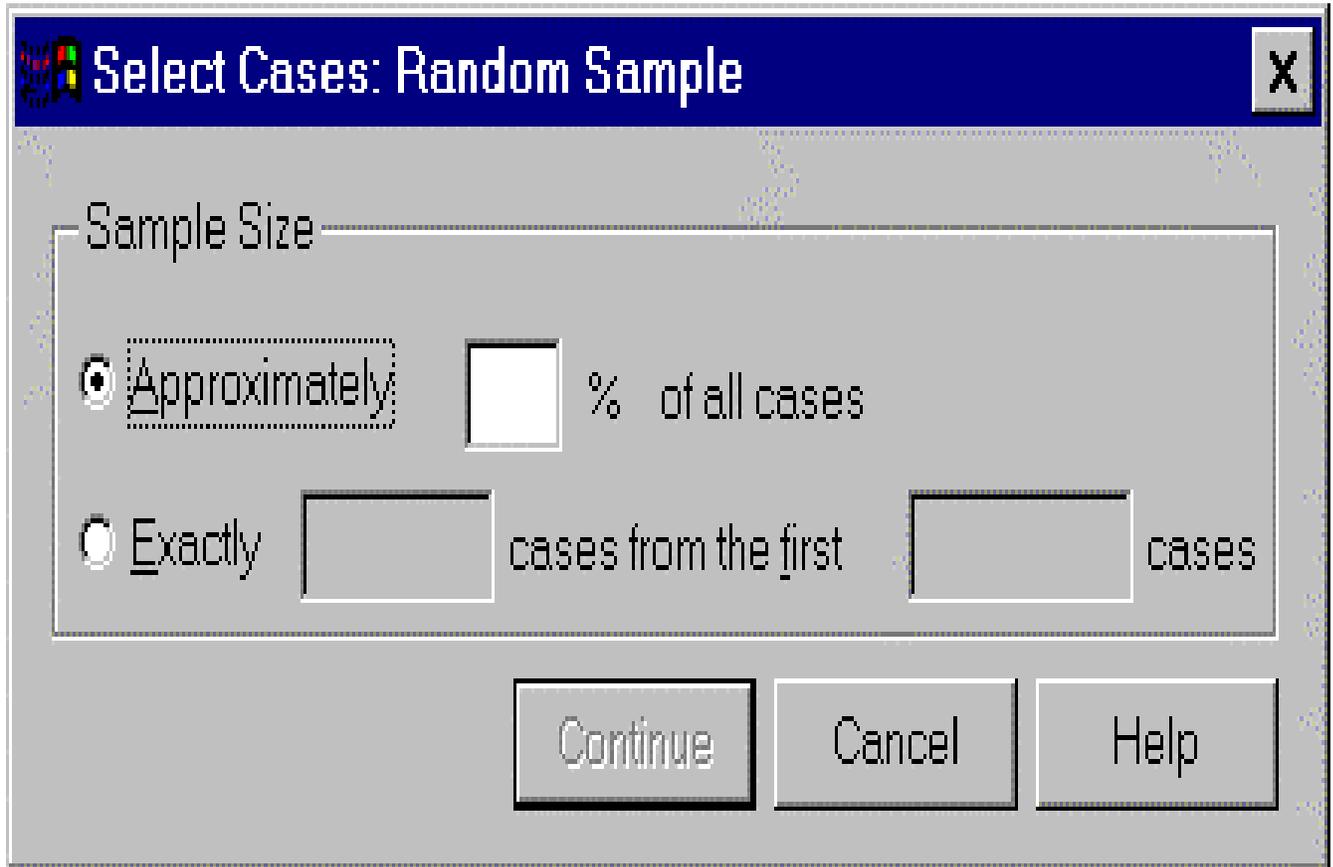
The status bar at the bottom indicates "SPSS Processor is ready".

Follow these steps to perform a random sample from your data:

1. Click **Data**, and click **Select Cases**. The following window will appear.



2. Click **Random sample of cases**. Click the **Sample** button and the following window will appear.



3. Click **Exactly** and enter “**3**” in the first box and “**28**” in the second box so that it reads “**Exactly 3 cases from the first 28 cases**”.
4. Click **Continue**.
5. Click **OK**.

The SPSS Data Editor window will appear as the following:

The screenshot shows the SPSS Data Editor window titled "P73 - SPSS Data Editor". The window contains a data table with the following structure:

	names	filter_\$	var	var	var
1	Abbott	0			
2	Cicirelli	0			
3	Cuellar	0			
4	Dunsmore	0			
5	Engle	0			
6	Fitzpatrick	0			
7	Garcia	0			
8	Goodwin	0			
9	Haglund	1			
10	Johnson	1			
11	Keegan	0			
12	Luo	1			
13	Martinez	0			

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

The filter variable *filter_\$* indicates whether a case has been randomly selected, where a 1 indicates selection. Thus, “Haglund,” “Johnson,” and “Luo” were the three faculty names chosen from the list of 28. If the filter variable was deleted and the process repeated, a different set of faculty names would be randomly chosen.