

Chapter 127

Simple Random Sampling with Group Assignment

Introduction

The Simple Random Sampling with Group Assignment tool in NCSS can be used to quickly generate K independent random samples from a dataset, where each random sample has N items, and randomly assign the selected items to groups. Each random sample is generated without replacement. The user may create a sample based on the data in entire rows or simply sample values from a single column. The random sample selection data along with group assignments may be written to a report in the Output window or stored in user-specified columns of the Data Table.

Random numbers for sampling are generated using the Mersenne Twister algorithm. The user may enter a random seed to replicate previous sampling results or generate a random seed based on the computer's internal clock.

The Simple Random Sampling tool can be accessed from the Data or Tools menu on the Data window.

This procedure uses random sorting to assign randomly selected values to groups. To assign groups using more complex randomization algorithms, use the Randomization Lists procedure after using the Simple Random Sampling procedure to generate the random sample.

Example – Result of randomly selecting 4 values from column Y and randomly assigning selected values to 2 groups (“Group 1” and “Group 2”)

Row	X	Y	Z	Random Sample (Binary Format)	Random Sample	Group	Random Sample (Collapsed Format)	Group (Collapsed)
1	10						1	Group 1
2	0	1		Selected	1	Group 1	9	Group 1
3	4	5		Selected	5	Group 2	3	Group 2
4	7	2		Not Selected			5	Group 2
5	3	3	6	Selected	3	Group 2		
6	2	2	3	Not Selected				
7	3		10					
8	8	10	2	Not Selected				
9								
10	4	9	8	Selected	9	Group 1		

Procedure Options

This section describes the options available in this procedure.

Random Sampling Tab

Sample Size of Each Random Sample

Sample Size Entry Type

Select the method that will be used to determine the size of the sample taken in each random sample. The options are

- **Enter the Number of Rows/Values to Select**

Enter the total number of rows or values to select in each random sample.

- **Enter the Percent of Rows/Values to Select**

Enter the percentage of rows or values to select from among all eligible rows or values. For example, if there are 100 eligible rows/values and the percentage is set to 20%, then the number of rows/values selected would be equal to 20. If the percentage calculation results in a fractional sample size, then sample size is rounded up to the next integer.

Number of Rows/Values to Select

Shown when Sample Size Entry Type = "Enter the Number of Rows/Values to Select"

Enter the total number of rows or values to select in each random sample. This value must be less than or equal to the total number of non-empty rows in the dataset (or values in the column). If there are fewer non-empty rows or values, then the actual sample size will be less than this value and consist of all available rows or values. Enter "All" to select all rows or values.

Percent of Rows/Values to Select

Shown when Sample Size Entry Type = "Enter the Percent of Rows/Values to Select"

Enter the percentage of rows or values to select from among all eligible rows or values. For example, if there are 100 eligible rows/values and the percentage is set to 20%, then the number of rows/values selected would be equal to 20. If the percentage calculation results in a fractional sample size, then sample size is rounded up to the next integer. This value must be greater than 0 and less than or equal to 100. Enter 100 to select all rows or values.

Simple Random Sampling with Group Assignment

Random Sampling Options

Dataset Sampling Type

This option specifies the method that will be used to sample the dataset. The options are

- **Randomly Select Rows from the Dataset**

In this sampling type, the data in all non-empty columns is used to determine eligibility for sampling. Only rows that are completely empty are ignored. Rows that have some missing values may still be selected in the random sample. This sampling type stores either row numbers (collapsed or expanded to the corresponding rows) or expanded binary selection values that indicate whether each non-empty row was selected.

Example – Result of randomly selecting 4 rows (from 9 eligible rows) and assigning to 2 groups

Row	X	Y	Z	Random Sample (Binary Format)	Random Sample	Group	Random Sample (Collapsed Format)	Group (Collapsed)
1	10			Selected	1	Group 1	1	Group 1
2	0	1		Selected	2	Group 2	7	Group 1
3	4	5		Not Selected			2	Group 2
4	7	2		Not Selected			10	Group 2
5	3	3	6	Not Selected				
6	2	2	3	Not Selected				
7	3		10	Selected	7	Group 1		
8	8	10	2	Not Selected				
9								
10	4	9	8	Selected	10	Group 2		

- **Randomly Select Values from a Column**

In this sampling type, only the data in the chosen column is used to determine eligibility for sampling. Only non-missing values in the column may be selected. This sampling type stores either actual values (collapsed or expanded to the corresponding rows) or expanded binary selection values that indicate whether each non-missing value was selected.

Example – Result of randomly selecting 4 values from column Y (from 7 eligible, non-missing values) and assigning to 2 groups

Row	X	Y	Z	Random Sample (Binary Format)	Random Sample	Group	Random Sample (Collapsed Format)	Group (Collapsed)
1	10						1	Group 1
2	0	1		Selected	1	Group 1	9	Group 1
3	4	5		Selected	5	Group 2	3	Group 2
4	7	2		Not Selected			5	Group 2
5	3	3	6	Selected	3	Group 2		
6	2	2	3	Not Selected				
7	3		10					
8	8	10	2	Not Selected				
9								
10	4	9	8	Selected	9	Group 1		

Column to Sample

Shown when Dataset Sampling Type = “Randomly Select Values from a Column”

Enter the column that contains the values you want to sample. You may only enter one column.

Simple Random Sampling with Group Assignment

Number of Replicates

This option specifies the number of independent random samples (K) to generate from the dataset. Each random sample will have N selected rows or values and will be stored in a separate storage column. You may generate between 1 and 1000 random samples in a single run. Each random sample is generated independently of the others.

Random Seed

Specify a numeric seed for random number generation. This value must be between 0 and 2147483647 and may be a decimal number.

Obtaining a Computer-Generated Random Seed

Enter *Random*, 0, or leave this option blank for a randomly generated seed based on the computer's internal clock. If a randomly generated seed is used, its value will be displayed in the random sample notes stored in the Column Info Table (if the option is selected).

Using a Non-Zero Random Seed

If you enter a non-zero random seed, the same random sequence will be generated with each run and the output will not change. This is often used to replicate previous results. The seed will be displayed in the output reports and in the random sample notes stored in the Column Info Table (if the option is selected).

Ignore the Filter

When this option is checked, all non-empty rows are eligible to be sampled even if they are excluded by an active filter. When this option is not checked and a filter is active, only rows that pass the filter are eligible to be sampled.

Random Group Assignment (e.g. "A B C") for Selected Rows/Values

Number of Groups to Assign

Enter the number of groups to which the selected items will be randomly assigned.

Group Names

Choose whether group names are to be generated automatically as a numbered sequence (e.g. as 1 2 3 ...) or entered as custom values by the user.

Custom Group Names

Enter a list of group names separated by commas or spaces (e.g. A B C). Names that themselves contain spaces or commas should be enclosed in quotation marks (e.g. "Treatment 1" "Treatment 2" "Treatment 3"). The number of group name entries should match the selection for Number of Groups to Assign. If too few group names are entered, the additional groups will be given names corresponding to their sequential group number.

Simple Random Sampling with Group Assignment

Sample Allocation among Groups

This option is used along with the sample size to determine how many sampled items will be assigned to each group. If the chosen sample size is not divisible by the number of groups, some of the groups may have more or fewer items than expected.

The options are

- **Equal**

An equal number of items is assigned to each group.

Example – Result of randomly selecting 6 rows and assigning to 2 groups with equal group allocation

Row	X	Y	Z	Random Sample (Binary Format)	Random Sample	Group	Random Sample (Collapsed Format)	Group (Collapsed)
1	10			Selected	1	Group 1	1	Group 1
2	0	1		Selected	2	Group 1	2	Group 1
3	4	5		Not Selected			7	Group 1
4	7	2		Selected	4	Group 2	4	Group 2
5	3	3	6	Not Selected			8	Group 2
6	2	2	3	Not Selected			10	Group 2
7	3		10	Selected	7	Group 1		
8	8	10	2	Selected	8	Group 2		
9								
10	4	9	8	Selected	10	Group 2		

- **Custom**

The relative group allotments are determined by user-entered allocation ratios. The first value is the ratio for the first group, the second for the second group, and so on. The values need not sum to one since they will be scaled to relative percentages, so to achieve 1:2:1 group allocation among 3 groups you could enter 1 2 1, 0.25 0.5 0.25, or 25 50 25. All would give the same results for the group allocation percentages.

Example – Result of randomly selecting 6 rows and assigning to 2 groups with 1:2 custom group allocation

Row	X	Y	Z	Random Sample (Binary Format)	Random Sample	Group	Random Sample (Collapsed Format)	Group (Collapsed)
1	10			Selected	1	Group 1	1	Group 1
2	0	1		Selected	2	Group 2	7	Group 1
3	4	5		Not Selected			2	Group 2
4	7	2		Selected	4	Group 2	4	Group 2
5	3	3	6	Not Selected			8	Group 2
6	2	2	3	Not Selected			10	Group 2
7	3		10	Selected	7	Group 1		
8	8	10	2	Selected	8	Group 2		
9								
10	4	9	8	Selected	10	Group 2		

Custom Sample Allocation among Groups

Shown when Sample Allocation among Groups = "Custom"

Enter the relative group allocation ratios. The first value is the ratio for the first group, the second for the second group, and so on. The values need not sum to one since they will be scaled to relative percentages, so to achieve 1:2:1 group allocation among 3 groups you could enter 1 2 1, 0.25 0.5 0.25, or 25 50 25. All would give the same results for the group allocation percentages.

Reports Tab

Select Reports

Sampling Summary

Indicate whether to display the random sampling summary report.

Random Sample List(s)

Indicate whether to display the random sample list report(s). The random samples will always be displayed in collapsed format. Each independent random sample is displayed in a separate report.

If you want to store the random samples in the Data Table, use the Storage tab to specify how the random sample data is to be saved.

Include the original row number of each selected value

Shown when Dataset Sampling Type = "Randomly Select Values from a Column"

Include the original row number corresponding to each selected value in the random sample list(s). This allows you to document where each value came from.

Report Options

Sort Random Sample List(s)

When this option is checked, collapsed random samples will be displayed in sorted order with the sorting controlled by the chosen sort type.

Note: This option also affects the sample selection data appearance in the Data Table when the selection data is stored in collapsed format.

Sort Type

Choose how the collapsed random samples will be sorted. You may sort the random samples by original row number or by selected row/value. These sorting options may also be applied after sorting by assigned group.

Note: This option also affects the sample selection data appearance in the Data Table when the selection data is stored in collapsed format.

Storage Tab

Random Sample Storage

Store the Random Sample(s) in the Data Table

Check this box to store the random samples in the Data Table. The stored data can be used for further analyses.

Selection Data to Store

This option specifies how selection data will be stored in the Data Table. The options are

- **Binary Selection Indicators (Dummy Values)**

The stored selection data will appear as binary indicator (i.e. “dummy”) values. The random sample data retains all information contained in other columns of the dataset.

You may enter custom values for the binary indicators of selected and not selected.

Example – Result of randomly selecting 4 rows with Selected = “1” and Not Selected = “0” and assigning to 2 groups with equal group allocation

Row	X	Y	Z	Random Sample (Binary Format)	Group
1	10			1	Group 1
2	0	1		1	Group 2
3	4	5		0	
4	7	2		0	
5	3	3	6	0	
6	2	2	3	0	
7	3		10	1	Group 1
8	8	10	2	0	
9					
10	4	9	8	1	Group 2

Example – Result of randomly selecting 4 values from column Y with Selected = “Yes” and Not Selected = “[Blank]” and assigning to 2 groups with equal group allocation

Row	X	Y	Z	Random Sample (Binary Format)	Group
1	10				
2	0	1		Yes	Group 1
3	4	5		Yes	Group 2
4	7	2			
5	3	3	6	Yes	Group 2
6	2	2	3		
7	3		10		
8	8	10	2		
9					
10	4	9	8	Yes	Group 1

Simple Random Sampling with Group Assignment

- Selected Rows/Values

The stored selection data (either row numbers or actual data values depending on your selection for Dataset Sampling Type) will appear in place on corresponding rows. The random sample data retains all information contained in other columns of the dataset.

Example – Result of randomly selecting 4 rows and assigning to 2 groups with equal group allocation

Row	X	Y	Z	Random Sample	Group
1	10			1	Group 1
2	0	1		2	Group 2
3	4	5			
4	7	2			
5	3	3	6		
6	2	2	3		
7	3		10	7	Group 1
8	8	10	2		
9					
10	4	9	8	10	Group 2

Example – Result of randomly selecting 4 values from column Y and assigning to 2 groups with equal group allocation

Row	X	Y	Z	Random Sample	Group
1	10				
2	0	1		1	Group 1
3	4	5		5	Group 2
4	7	2			
5	3	3	6	3	Group 2
6	2	2	3		
7	3		10		
8	8	10	2		
9					
10	4	9	8	9	Group 1

Simple Random Sampling with Group Assignment

- Selected Rows/Values (Collapsed)**

The stored selection data (either row numbers or actual data values depending on your selection for Dataset Sampling Type) will appear in collapsed format. The stored data may be sorted if desired with sorting controlled by the options on the Reports tab. The stored data will appear the same as that displayed in the Random Sample List(s) in the output report.

When sampling values from a column, the original row numbers of selected values may also be stored in an adjacent column to retain a reference to information contained in other columns of the dataset.

Example – Result of randomly selecting 4 rows and assigning to 2 groups with equal group allocation and stored selection data sorted by original row number

Row	X	Y	Z	Random Sample (Collapsed Format)	Group (Collapsed)
1	10			1	Group 1
2	0	1		2	Group 2
3	4	5		7	Group 1
4	7	2		10	Group 2
5	3	3	6		
6	2	2	3		
7	3		10		
8	8	10	2		
9					
10	4	9	8		

Example – Result of randomly selecting 4 values from column Y with stored selection data sorted by assigned group then by selected value and with corresponding row numbers stored in an adjacent column

Row	X	Y	Z	Original Row Number	Random Sample (Collapsed Format)	Group (Collapsed)
1	10			2	1	Group 1
2	0	1		10	9	Group 1
3	4	5		5	3	Group 2
4	7	2		3	5	Group 2
5	3	3	6			
6	2	2	3			
7	3		10			
8	8	10	2			
9						
10	4	9	8			

Selected and Not Selected

Shown when Selection Data to Store = “Binary Selection Indicators”

Enter values to be stored for rows/values that are selected and not selected. Enter “[Blank]” or leave the box empty to store a missing value.

Store the original row number of each selected value

Shown when Dataset Sampling Type = “Randomly Select Values from a Column” and Selection Data to Store = “Selected Rows/Values (Collapsed)”

Check this box to store original row numbers for each selected value in an adjacent column. This allows you to retain a reference to information contained in other columns of the dataset.

Simple Random Sampling with Group Assignment

[First] Storage Column

Select the column in which to store the random sample data. When more than one column is required to store the specified random sample(s) and associated information, this is the **First Storage Column**.

Warning: Any data in the storage column(s) will be overwritten, but the operation may be undone by selecting “Undo” from the Edit menu or toolbar.

Update storage column names based on the stored contents

When this option is checked, the storage columns will be renamed automatically with titles that correspond to the selection data that is being stored.

Store notes about the random sample(s) in the Column Info Table

When this option is checked, notes about each random sample will be written to the column info table. The notes will include sampling summary information and the random seed used to generate the random samples.

Example 1 – Selecting a Simple Random Sample of Rows from the Resale Dataset with Random Assignment to 3 Groups

This example will demonstrate how to take a simple random sample of 30 rows from a dataset and randomly assign the selected rows to 3 groups (A, B, or C) with equal group allocation. The sample selection data will be stored as indicator or dummy values (0's and 1's) in the Data Table on the Data Window, with a 1 indicating that the row was selected and a 0 indicating that it was not selected.

This example will also cover how to save the randomly selected rows to a new subset data file using the filter. For reproducibility, we'll use a random seed of 60677.

This example uses random sorting to assign randomly selected values to groups. To assign groups using more complex randomization algorithms, use the Randomization Lists procedure after using the Simple Random Sampling procedure to generate the random sample.

You may follow along here by making the appropriate entries or load the completed template **Example 1** by clicking on Open Example Template from the File menu of the procedure window.

1 Open the Resale dataset.

- From the File menu of the NCSS Data window, select **Open Example Data**.
- Click on the file **Resale.NCSS**.
- Click **Open**.

2 Open the Simple Random Sampling with Group Assignment window.

- Using the Data menu or the Procedure Navigator, find and select the **Simple Random Sampling with Group Assignment** procedure.
- On the menus, select **File**, then **New Template**. This will fill the procedure with the default template.

3 Specify the random sampling options.

- Select the **Random Sampling** tab.
- Leave **Sample Size Entry Type** set to **Enter the Number of Rows/Values to Select**.
- Set the **Number of Rows/Values to Select** to **30**.
- Leave **Dataset Sampling Type** set to **Randomly Select Rows from the Dataset**.
- Set **Random Seed** to **60677** (for reproducibility).
- For **Number of Groups to Assign**, enter **3**.
- For **Group Names**, select **Custom** and enter **A B C** as the **Custom Group Names**.

4 Specify the reports.

- Select the **Reports** tab.
- Leave all report settings at their default values.

5 Specify the selection data storage.

- Select the **Storage** tab.
- Leave all storage settings at their default values.

6 Run the procedure.

- From the Run menu, select **Run Procedure**. Alternatively, just click the green Run button.

The following reports will be displayed in the Output window.

Simple Random Sampling with Group Assignment

Random Sampling Summary Report

Simple Random Sampling Summary

Number of Rows Selected	30 of 150 (20%)
Dataset Sampling Type	Rows Randomly Selected
Number of Random Sample Replicates	1
User-Entered Random Seed*	60677
Number of Groups Assigned	3
Sample Allocation among Groups	Equal
Group Names	"A" "B" "C"

Storage: The random sample selection data was stored in columns 21 through 22 of the Data Table.

* You can use this random seed to replicate this random sample, but the original dataset, number of random samples to generate, and sampling options must be the same.

This report gives a summary of the random sample that was generated. The sample size of 30 corresponds to 20% of all 150 available rows with data. The random sample itself was stored in the Data Table in column 21.

Random Sample List Report

Simple Random Sample 1 of 1

Number of Rows Selected	30 of 150 (20%)
Dataset Sampling Type	Rows Randomly Selected
User-Entered Random Seed	60677
Number of Rows Assigned to Each Group	"A" (10), "B" (10), "C" (10)

Selected Item	Selected Row	Assigned Group
1	15	C
2	18	B
3	23	A
4	24	C
5	25	A
6	29	B
7	32	C
8	33	A
9	34	A
10	37	C
11	40	A
12	43	C
13	52	A
14	54	B
15	59	B
16	66	A
17	69	B
18	74	C
19	78	C
20	86	B
21	93	C
22	95	C
23	107	C
24	108	A
25	109	B
26	119	B
27	126	A
28	138	B
29	146	A
30	150	B

This report lists in collapsed format the 30 rows that were selected along with their random group assignments.

Stored Random Sample Data

Row	Sample_1	Group_1
1	0	
2	0	
3	0	
.	.	
.	.	
15	1	C
16	0	
17	0	
18	1	B
.	.	
.	.	
146	1	A
147	0	
148	0	
149	0	
150	1	B

In column 21 of the Data Table on the Data Window (now named “Sample_1”) you’ll find the random sample stored using binary indicator (dummy) values. In column 22 (now named “Group_1”) you’ll find the group assignment for each selected row. You can now set a filter on one or both columns to restrict further analyses to just this sampled set or for saving or exporting the random subset to a new file.

The newly created Note for column “Sample_1” contains the following information about the sampled data.

Simple Random Sample Storage Column 1 of 1

 Number of Rows Selected: 30 of 150 (20%)
 Dataset Sampling Type: Rows Randomly Selected
 User-Entered Random Seed*: 60677

Number of Groups Assigned: 3
 Sample Allocation among Groups: Equal
 Number of Rows Assigned to Each Group: "A" (10), "B" (10), "C" (10)

* You can use this random seed to replicate this random sample, but the original dataset, number of random samples to generate, and sampling options must be the same.

Saving the Random Sample Subset to a New Data File using the Data Filter

To save the random sample data to a new subset file using the data filter, do the following:

7 Set a filter on column 21.

- Click the **Filter** button in the toolbar to load the **Filter Editor**.
- Click **New List Condition**, select **column 21 “Sample_1”** from the column selection window, and click **OK**.
- Check only the value **1** in the list under **Sample_1 Condition** and click **OK**.
- The dataset will now be filtered with only the randomly selected rows highlighted.

8 Save the filtered data to a new file.

- On the Data Window menu, select **File** then **Save Subset As**.
- Under **Rows to Save**, select **Save Only Those Rows that Pass the Active Filter**.
- Leave **Columns to Save** set to **Save All Columns**.
- Click **OK** to save the subset to a new data file.
- **Name the new subset data file** and click **Save** to save it.
- Open the saved data file by selecting it from the **File** menu.
- The subset file contains only the randomly selected rows and can be used for further analyses.

Example 2 – Selecting a Simple Random Sample of 10% of Values from a Column in the Resale Dataset with 1:2 Allocated Random Assignment to 2 Groups

This example will demonstrate how to take a simple random sample from a column in a dataset and randomly assign the selected values to 2 groups (“Group 1” and “Group 2”) with 1:2 group allocation. We’ll select 10% of the values in the column called Price. The sample selection data will be stored in collapsed format in the Data Table with row numbers also stored for reference to the original dataset. The resulting sample data will be sorted by assigned group and then by value.

For reproducibility, we’ll use a random seed of 22077.

This example uses random sorting to assign randomly selected values to groups. To assign groups using more complex randomization algorithms, use the Randomization Lists procedure after using the Simple Random Sampling procedure to generate the random sample.

You may follow along here by making the appropriate entries or load the completed template **Example 2** by clicking on Open Example Template from the File menu of the procedure window.

1 Open the Resale dataset.

- From the File menu of the NCSS Data window, select **Open Example Data**.
- Click on the file **Resale.NCSS**.
- Click **Open**.

2 Open the Simple Random Sampling with Group Assignment window.

- Using the Data menu or the Procedure Navigator, find and select the **Simple Random Sampling with Group Assignment** procedure.
- On the menus, select **File**, then **New Template**. This will fill the procedure with the default template.

3 Specify the random sampling options.

- Select the **Random Sampling** tab.
- Set **Sample Size Entry Type** to **Enter the Percent of Rows/Values to Select**.
- Leave **Percent of Rows/Values to Select** set to **10%**.
- Set **Dataset Sampling Type** to **Randomly Select Values from a Column**.
- For **Column to Sample** enter **Price**.
- Set **Random Seed** to **22077** (for reproducibility).
- Leave **Number of Groups to Assign** set at **2**.
- For **Group Names**, select **Custom** and enter “**Group 1**” “**Group 2**” as the **Custom Group Names**.
- For **Sample Allocation among Groups**, select **Custom** and enter **1 2** as the **Custom Group Allocation**.

4 Specify the reports.

- Select the **Reports** tab.
- Leave **Sort Random Sample List(s)** checked but change the **Sort Type** to **By Assigned Group then by Selected Row/Value**.

5 Specify the selection data storage.

- Select the **Storage** tab.
- Set **Selection Data to Store** to **Selected Rows/Values (Collapsed)**.
- Leave **Store the original row number of each selected value** checked.

6 Run the procedure.

- From the Run menu, select **Run Procedure**. Alternatively, just click the green Run button.

Simple Random Sampling with Group Assignment

The following reports will be displayed in the Output window.

Random Sampling Summary Report

Simple Random Sampling Summary

Number of Values Selected	15 of 150 (10%)
Dataset Sampling Type	Values Randomly Selected from Price
Number of Random Sample Replicates	1
User-Entered Random Seed*	22077
Number of Groups Assigned	2
Sample Allocation among Groups	Custom (1 2)
Group Names	"Group 1" "Group 2"

Storage: The random sample selection data was stored in columns 21 through 23 of the Data Table.

* You can use this random seed to replicate this random sample, but the original dataset, number of random samples to generate, and sampling options must be the same.

This report gives a summary of the random sample that was generated by selecting values from Price, along with the group summary information. A sample size of 15 corresponds to 10% of all 150 available rows with data. The random sample itself was stored in the Data Table in columns 21 to 23.

Random Sample List Report

Simple Random Sample 1 of 1

Number of Values Selected	15 of 150 (10%)
Dataset Sampling Type	Values Randomly Selected from Price
User-Entered Random Seed	22077
Number of Values Assigned to Each Group	"Group 1" (5), "Group 2" (10)

Selected Item	Original Row	Value Selected from Price	Assigned Group
1	71	53300	Group 1
2	20	101800	Group 1
3	64	141400	Group 1
4	129	318500	Group 1
5	40	357700	Group 1
6	82	122500	Group 2
7	138	133400	Group 2
8	45	151200	Group 2
9	81	164000	Group 2
10	119	195400	Group 2
11	83	202300	Group 2
12	32	208900	Group 2
13	74	220600	Group 2
14	140	233200	Group 2
15	105	341000	Group 2

This report lists in collapsed format the 15 values from Price (10% of all values) that were selected along with their corresponding original row numbers and group assignments. The report is sorted first by assigned group and then by value.

Stored Random Sample Data

Row	Row 1	Sample 1	Group 1
1	71	53300	Group 1
2	20	101800	Group 1
3	64	141400	Group 1
4	129	318500	Group 1
5	40	357700	Group 1
6	82	122500	Group 2
7	138	133400	Group 2
8	45	151200	Group 2
9	81	164000	Group 2
10	119	195400	Group 2
11	83	202300	Group 2
12	32	208900	Group 2
13	74	220600	Group 2
14	140	233200	Group 2
15	105	341000	Group 2

In columns 21 and 22 of the Data Table on the Data Window, you'll find the random sample data stored in collapsed format. The stored data includes the sampled values ("Sample_1") and the original row numbers ("Row_1") of the values selected from Price. The randomly assigned groups are stored in column 23 ("Group_1").

The newly created Note for column "Sample_1" contains the following information about the sampled data.

Simple Random Sample Storage Column 1 of 1

 Number of Values Selected: 15 of 150 (10%)
 Dataset Sampling Type: Values Randomly Selected from Price
 User-Entered Random Seed*: 22077

Number of Groups Assigned: 2
 Sample Allocation among Groups: Custom (1 2)
 Number of Values Assigned to Each Group: "Group 1" (5), "Group 2" (10)

* You can use this random seed to replicate this random sample, but the original dataset, number of random samples to generate, and sampling options must be the same.