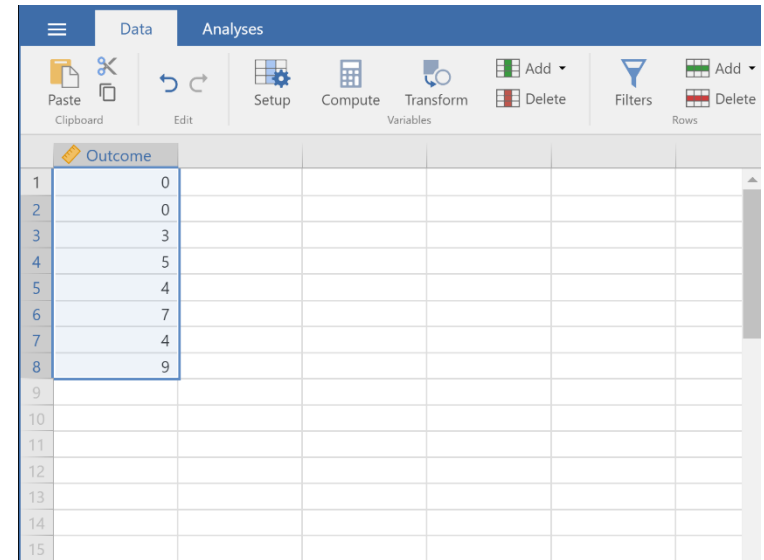


Transformations and Standardized Scores

Selecting the Analysis

1. First, enter the data (described elsewhere).
2. After the data are entered, click on the column representing the data you wish to transform.
3. Select the “Compute” option from the menu. This will bring up a new set of options.

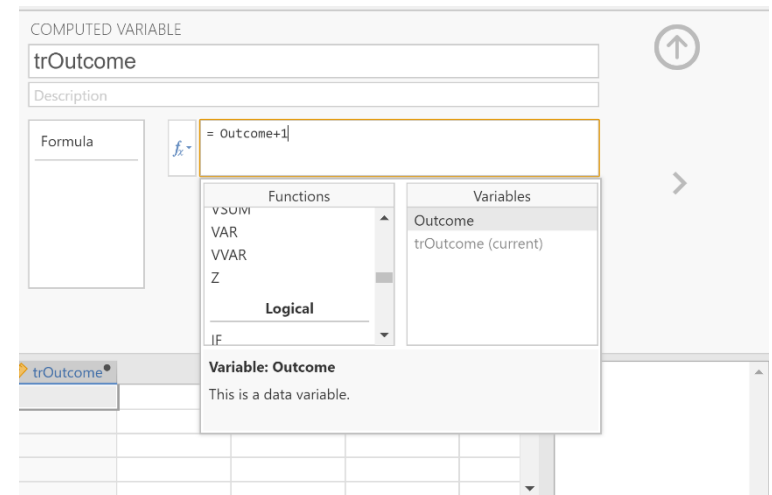


The screenshot shows the SPSS Data menu with the 'Compute' option highlighted. The 'Outcome' column is selected in the data editor.

	Outcome					
1	0					
2	0					
3	3					
4	5					
5	4					
6	7					
7	4					
8	9					
9						
10						
11						
12						
13						
14						
15						

Computing Transformations

4. Type in the new you wish to give the new variable (here it is “trOutcome”).
5. Click on the “fx” button to obtain the dropdown menu.
6. Click on the variable you wish to transform (“Outcome”). This will place it in the formula editor. Then add, subtract, multiply, or divide as needed to get the transformation you want.
7. Hit “Enter” on your keyboard to perform the data transformation.
8. To hide the setup menu, click on the large UP arrow button to the right of the variable name.



The screenshot shows the 'COMPUTED VARIABLE' dialog box. The variable name 'trOutcome' is entered. The formula editor shows '= Outcome+1'. The 'Outcome' variable is selected in the 'Variables' list. The 'UP' arrow button is visible on the right.

COMPUTED VARIABLE

trOutcome

Description

Formula

fx = Outcome+1

Functions

VAR

VVAR

Z

Logical

IF

Variables

Outcome

trOutcome (current)

Variable: Outcome

This is a data variable.

Viewing Transformed Scores

9. Note that transformed variables are not included in the output. Rather, they are saved as new variables in the data view window.
10. These variables can be used in subsequent analyses. You can follow the previous tutorials to get descriptive statistics for these variables.

	Outcome	trOutcome
1	0	1
2	0	1
3	3	4
4	5	6
5	4	5
6	7	8
7	4	5
8	9	10
9		
10		
11		
12		
13		
14		
15		

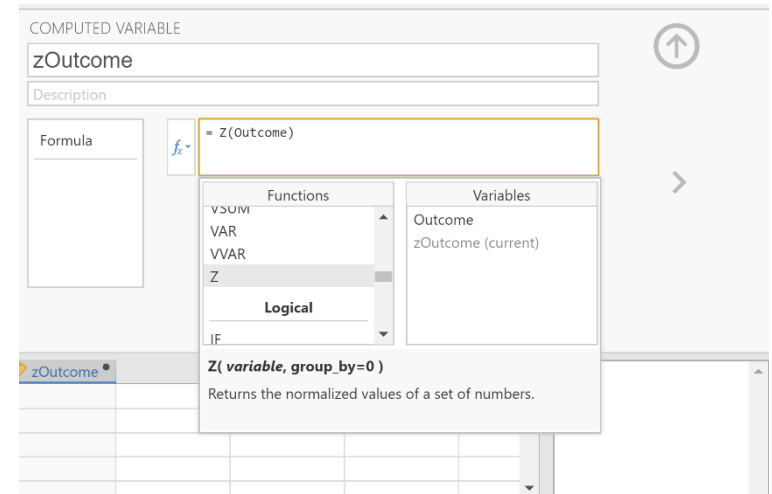
Obtaining Standardized Scores

11. In addition, you can obtain standardized scores. First, enter the data (described elsewhere).
12. After the data are entered, click on the column representing the data you wish to transform.
13. Select the “Compute” option from the menu. This will bring up a new set of options.

	Outcome
1	0
2	0
3	3
4	5
5	4
6	7
7	4
8	9
9	
10	
11	
12	
13	
14	
15	

Computing Standardized Scores

14. Type in the new you wish to give the new variable (here it is "zOutcome").
15. Click on the "fx" button to obtain the dropdown menu. On the left side under functions, click on "z" to place it in the formula editor.
16. Click on the variable you wish to transform ("Outcome"). This will place it in the formula editor.
17. Hit "Enter" on your keyboard to perform the data transformation.
18. To hide the setup menu, click on the large UP arrow button to the right of the variable name.



Viewing Standardized Scores

19. Note that standardized variables are not included in the output. Rather, they are saved as new variables in the data view window.
20. These variables can be used in subsequent analyses. You can follow the previous tutorials to get descriptive statistics for these variables.

	Outcome	zOutcome
1	0	-1.283
2	0	-1.283
3	3	-0.321
4	5	0.321
5	4	0.000
6	7	0.963
7	4	0.000
8	9	1.604
9		
10		
11		
12		
13		
14		
15		

Your data have now been analyzed!