

Introduction to SPSS

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Object of the class

- About the windows in SPSS
- The basics of managing data files
- The basic analysis in SPSS

Introduction: What is SPSS?

- Originally it is an acronym of Statistical Package for the Social Science but now it stands for Statistical Product and Service Solutions
- One of the most popular statistical packages which can perform highly complex data manipulation and analysis with simple instructions

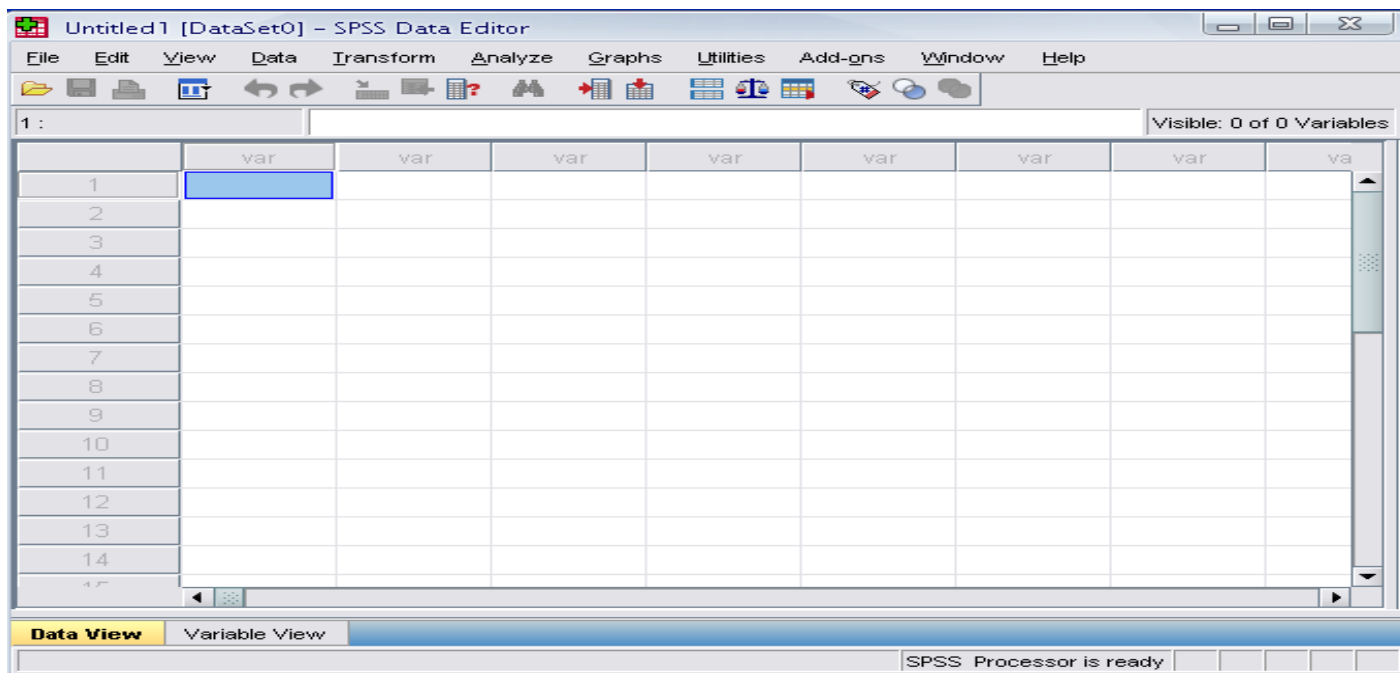
Opening SPSS

- Start → All Programs → SPSS Inc → SPSS 17.0 → SPSS 17.0



Opening SPSS

- The default window will have the data editor
- There are two sheets in the window:
 1. Data view
 2. Variable view

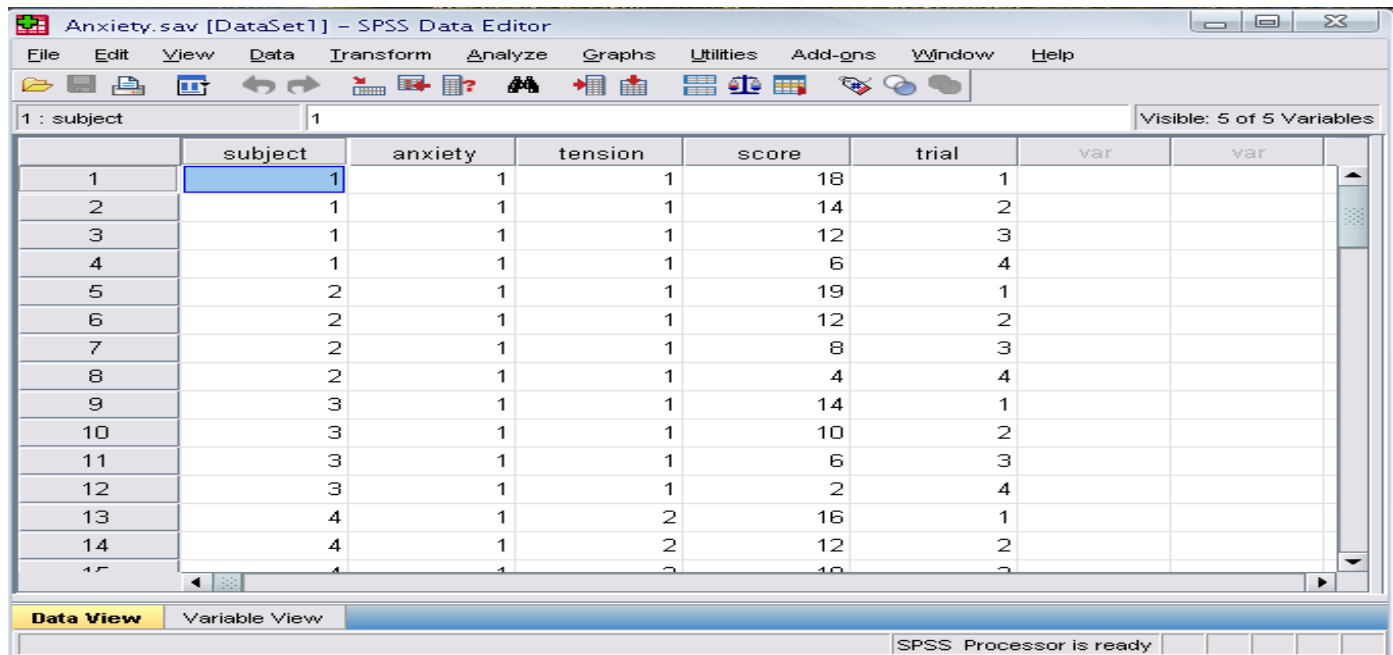


*Untitled2 [DataSet1] - SPSS Statistics Data Editor																	
File Edit View Data Transform Analyze Graphs Utilities Add-ons Window Help																	
1 : RF06 7.0 Visible: 68 of 68 Variables																	
	Finished	Product_type	Evaluation_type	Evaluation_rating	Counterbalance	Attitude	Attitude1	Attitude2	Attitude3	Attitude4	Attitude5	AS	Attitudestrength1	Attitudestrength2			
1	1	1	1	1	1	3	1	4	4	4	2	1	1	1	1	3.8	
2	1	1	1	1	2	5	5	5	5	4	5	5	5	5	4	5.1	
3	1	1	1	1	3	5	6	5	5	6	5	5	5	5	5	4.5	
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3.5	
5	1	1	1	1	2	4	4	5	5	4	4	4	4	4	4	5.1	
6	1	1	1	1	3	7	7	7	7	7	7	6	6	6	6	6.3	
7	1	1	1	1	3	7	7	7	7	7	7	7	7	7	7	5.0	
8	1	1	1	1	2	5	5	5	4	5	5	5	5	5	5	6.0	
9	1	1	1	1	1	5	5	5	5	5	5	1	1	1	1	5.6	
10	1	1	1	1	3	6	6	6	6	6	6	6	6	6	6	5.5	
11	1	1	1	1	2	4	4	4	4	4	4	3	3	3	3	4.1	
12	1	1	1	1	1	2	2	2	2	2	2	4	4	4	4	2.8	
13	1	1	1	1	3	7	7	7	7	7	7	7	7	7	7	5.5	
14	1	1	1	1	2	2	2	2	2	2	4	3	4	4	2	4.3	
15	1	1	1	1	1	3	2	3	3	3	2	5	5	5	4	4.0	
16	1	1	1	1	3	3	4	4	3	2	3	2	2	2	2	2.6	
17	1	1	1	1	1	1	1	1	1	1	1	7	7	7	6	2.3	
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19	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	3.3	
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21	1	1	1	1	3	5	6	5	5	5	6	7	6	6	7	4.1	
22	1	1	1	1	2	4	4	4	4	4	4	5	5	5	5	5.3	
23	1	1	1	1	2	4	4	4	5	4	4	4	4	4	4	4.0	
24	1	1	1	1	1	1	1	1	1	1	1	3	1	1	4	1.0	
25	1	1	1	1	3	4	4	4	4	4	4	3	1	1	4	2.3	
26	1	1	1	1	3	6	6	6	5	6	6	6	6	6	5	5.6	
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28	1	1	1	1	1	2	1	2	2	2	2	5	4	4	5	2.5	
29	1	1	1	1	3	6	6	6	6	6	6	5	4	4	6	5.6	
30	1	1	1	1	2	3	3	4	2	2	3	5	5	5	5	4.0	
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32	1	1	1	1	3	4	3	4	3	5	4	5	5	5	4	5.3	
33	1	1	1	1	1	2	2	2	2	2	3	3	3	3	3	3.3	
34	1	1	1	1	3	6	6	6	6	6	6	6	6	6	5	5.0	
35	1	1	1	1	2	4	5	4	4	4	4	1	1	1	1	1.8	
36	1	1	1	1	1	1	1	1	1	1	1	6	6	6	6	2.5	
37	1	1	1	1	1	1	1	1	1	1	1	7	7	7	6	1.0	
38	1	1	1	1	2	6	7	6	5	6	6	7	6	6	7	5.3	
...																	

Data Editor

- Data Editor

Spreadsheet-like system for defining, entering, editing, and displaying data. Extension of the saved file will be “sav.”

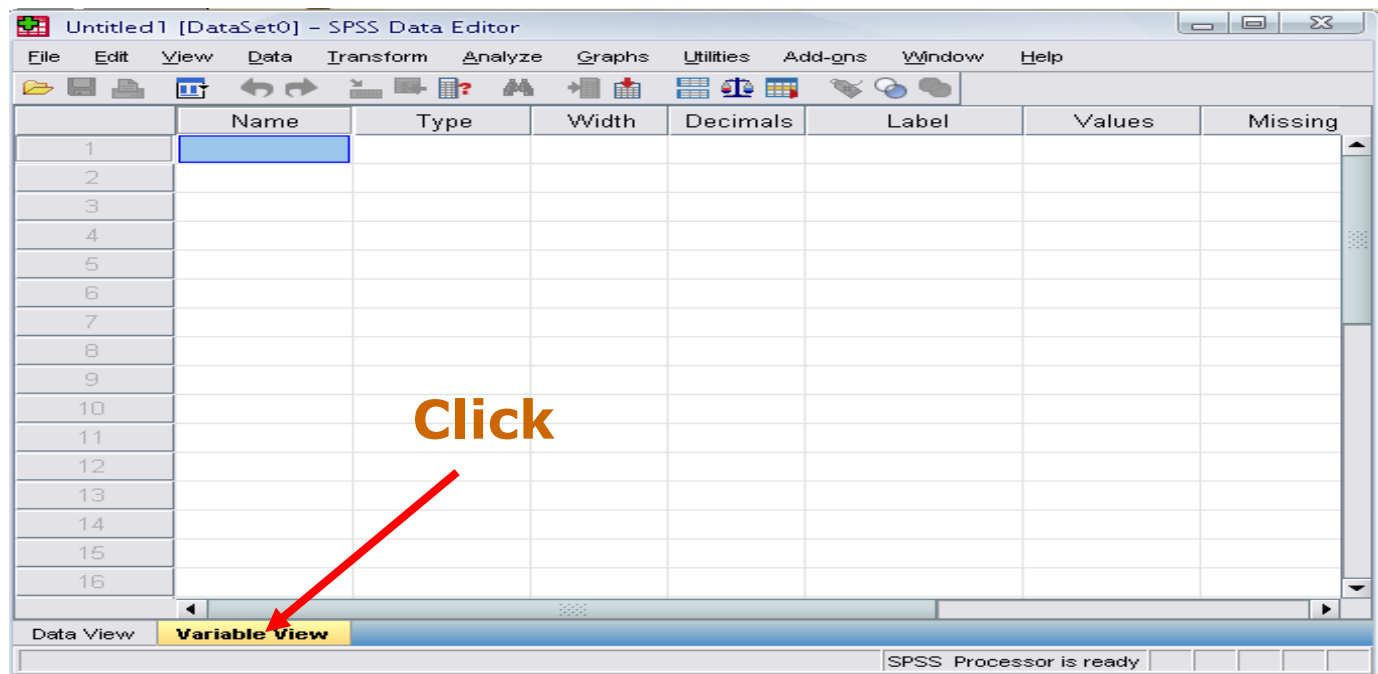


Data View window

- The Data View window

This sheet is visible when you first open the Data Editor and this sheet contains the data

- Click on the tab labeled Variable View



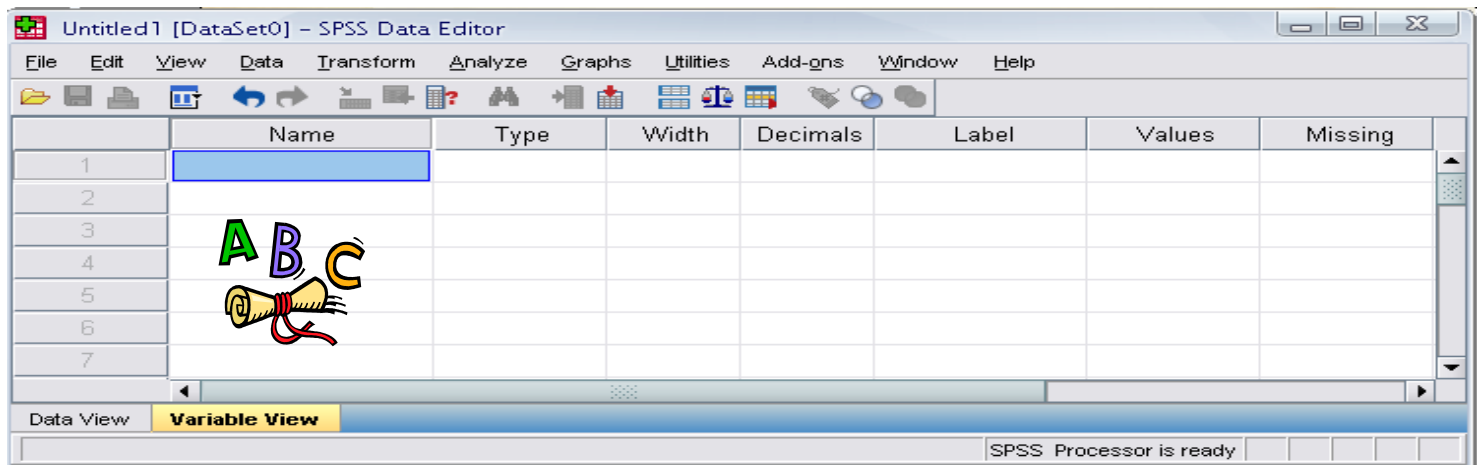
*Untitled2 [DataSet1] - SPSS Statistics Data Editor										
File Edit View Data Transform Analyze Graphs Utilities Add-ons Window Help										
	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Measure
1	Finished	Numeric	11	0		None	None	11	Right	Nominal
2	Product_type	Numeric	11	0		None	None	11	Right	Nominal
3	Evaluation_t...	Numeric	11	0		None	None	11	Right	Nominal
4	Evaluation_r...	Numeric	11	0		None	None	11	Right	Nominal
5	Counterbala...	Numeric	11	0		None	None	11	Right	Nominal
6	Attitude	Numeric	11	0		None	None	11	Right	Scale
7	Attitude1	Numeric	11	0		None	None	11	Right	Nominal
8	Attitude2	Numeric	11	0		None	None	11	Right	Nominal
9	Attitude3	Numeric	11	0		None	None	11	Right	Nominal
10	Attitude4	Numeric	11	0		None	None	11	Right	Nominal
11	Attitude5	Numeric	11	0		None	None	11	Right	Nominal
12	AS	Numeric	11	0		None	None	11	Right	Nominal
13	Attitudestre...	Numeric	11	0		None	None	11	Right	Nominal
14	Attitudestre...	Numeric	11	0		None	None	11	Right	Nominal
15	PI	Numeric	13	12		None	None	13	Right	Scale
16	PurchaseInt...	Numeric	11	0		None	None	11	Right	Nominal
17	PurchaseInt...	Numeric	11	0		None	None	11	Right	Nominal
18	PurchaseInt...	Numeric	11	0		None	None	11	Right	Nominal
19	PurchaseInt...	Numeric	11	0		None	None	11	Right	Nominal
20	PurchaseInt...	Numeric	11	0		None	None	11	Right	Nominal
21	PurchaseInt...	Numeric	11	0		None	None	11	Right	Nominal
22	thoughts1	String	376	0		None	None	50	Left	Nominal
23	thoughts2	String	310	0		None	None	50	Left	Nominal
24	thoughts3	String	265	0		None	None	50	Left	Nominal
25	thoughts4	String	225	0		None	None	50	Left	Nominal
26	thoughts5	String	164	0		None	None	50	Left	Nominal
27	Focus	Numeric	11	0		None	None	11	Right	Nominal
28	Focus1	Numeric	11	0		None	None	11	Right	Nominal
29	Focus2	Numeric	11	0		None	None	11	Right	Nominal
30	Focus3	Numeric	11	0		None	None	11	Right	Nominal
31	Focus4	Numeric	11	0		None	None	11	Right	Nominal
32	RFQ	Numeric	13	12		None	None	13	Right	Scale
33	RFQ1	Numeric	11	0		None	None	11	Right	Nominal
34	RFQ2	Numeric	11	0		None	None	11	Right	Nominal
35	RFQ3	Numeric	11	0		None	None	11	Right	Nominal
36	RFQ4	Numeric	11	0		None	None	11	Right	Nominal
37	RFQ5	Numeric	11	0		None	None	11	Right	Nominal
38	RFQ6	Numeric	11	0		None	None	11	Right	Nominal
39	RFQ7	Numeric	11	0		None	None	11	Right	Nominal
40	RFQ8	Numeric	11	0		None	None	11	Right	Nominal
41	RFQ9	Numeric	11	0		None	None	11	Right	Nominal

Data View Variable View

SPSS Statistics Processor is ready

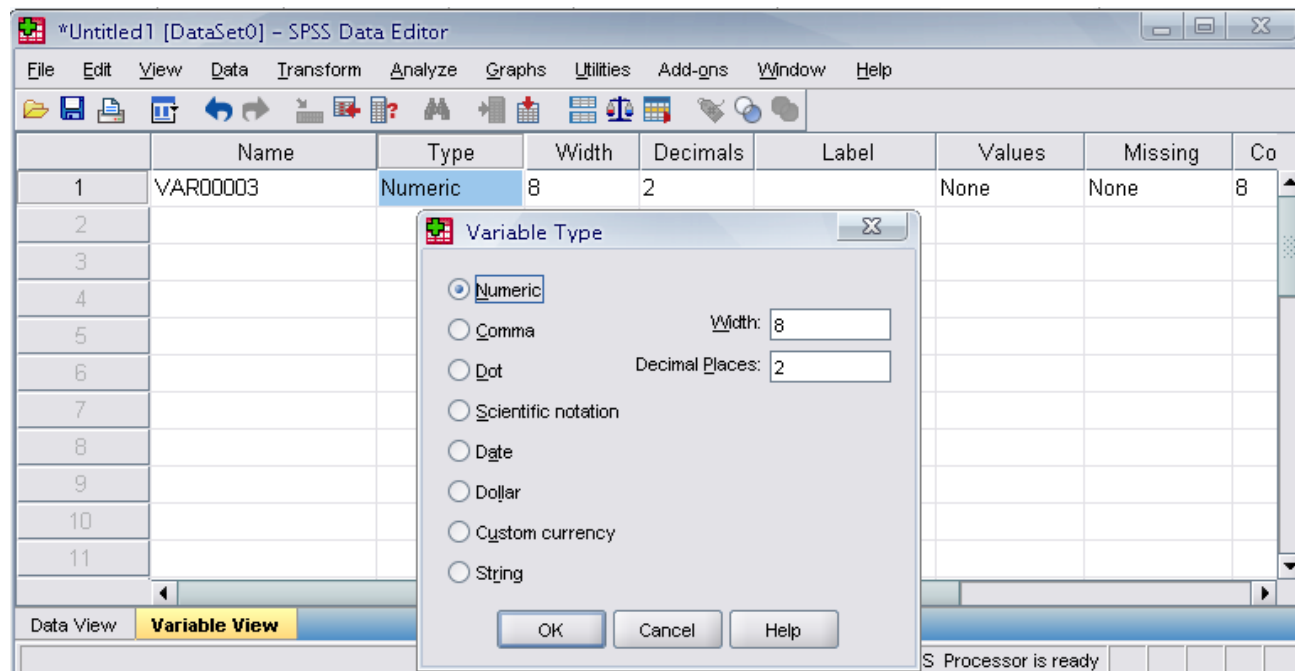
Variable View window

- This sheet contains information about the data set that is stored with the dataset
- Name
 - The first character of the variable name must be alphabetic
 - Variable names must be unique, and have to be less than 64 characters.
 - Spaces are NOT allowed.



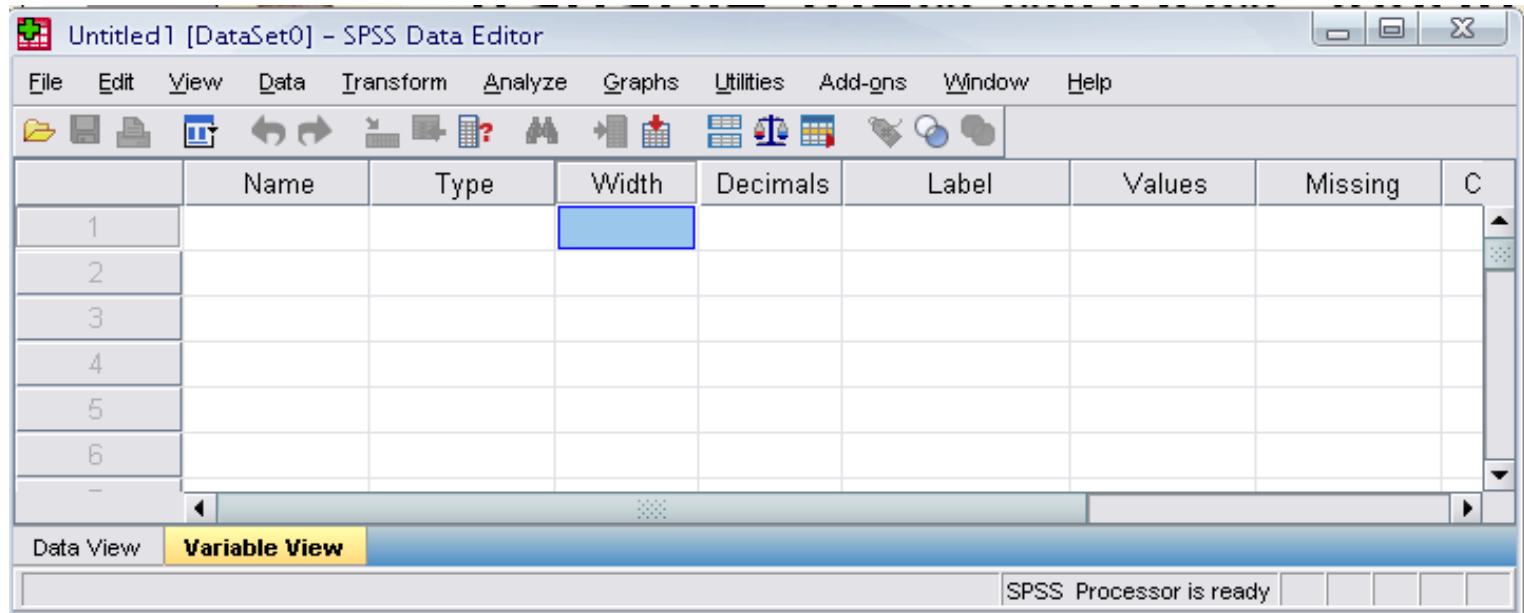
Variable View window: Type

- Type
 - Click on the 'type' box. The two basic types of variables that you will use are numeric and string. This column enables you to specify the type of variable.



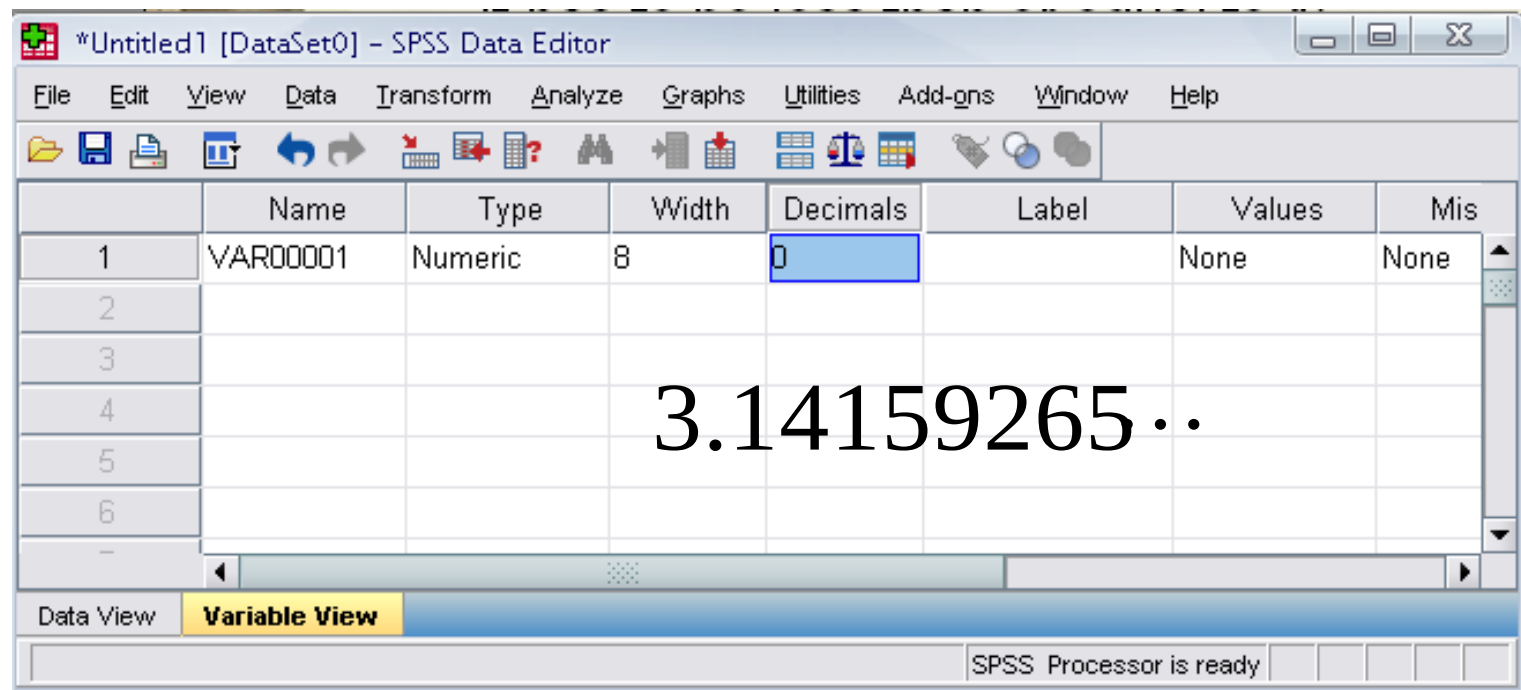
Variable View window: Width

- Width
 - Width allows you to determine the number of characters SPSS will allow to be entered for the variable



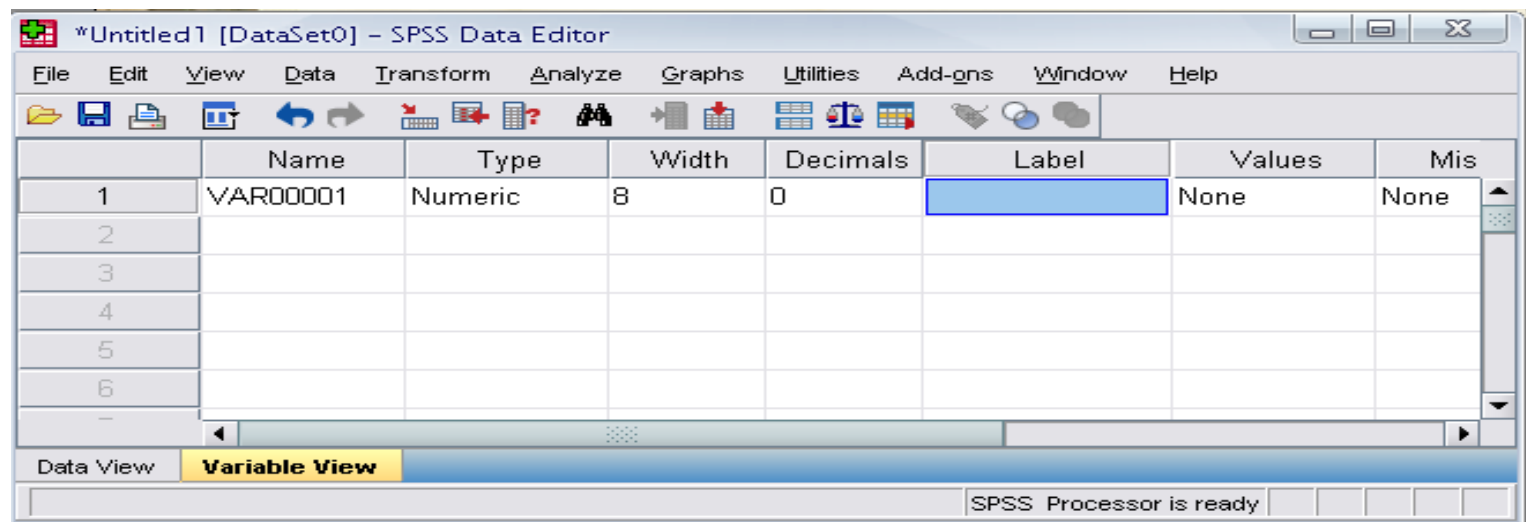
Variable View window: Decimals

- Decimals
 - Number of decimals
 - It has to be less than or equal to 16



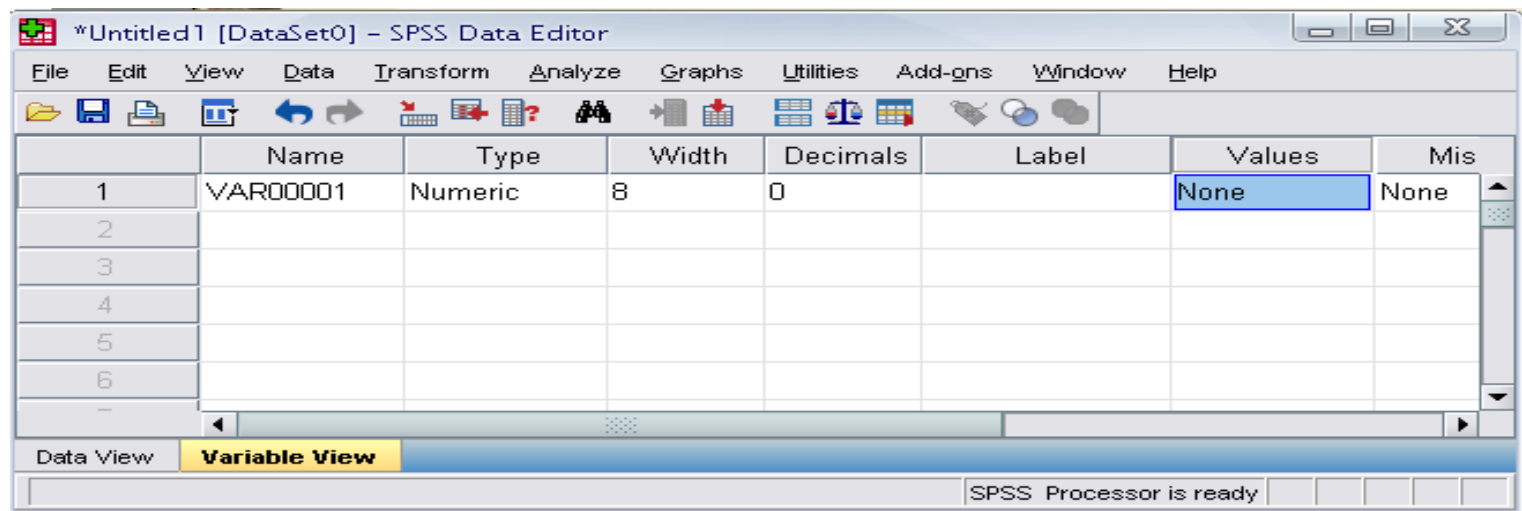
Variable View window: Label

- Label
 - You can specify the details of the variable
 - You can write characters with spaces up to 256 characters



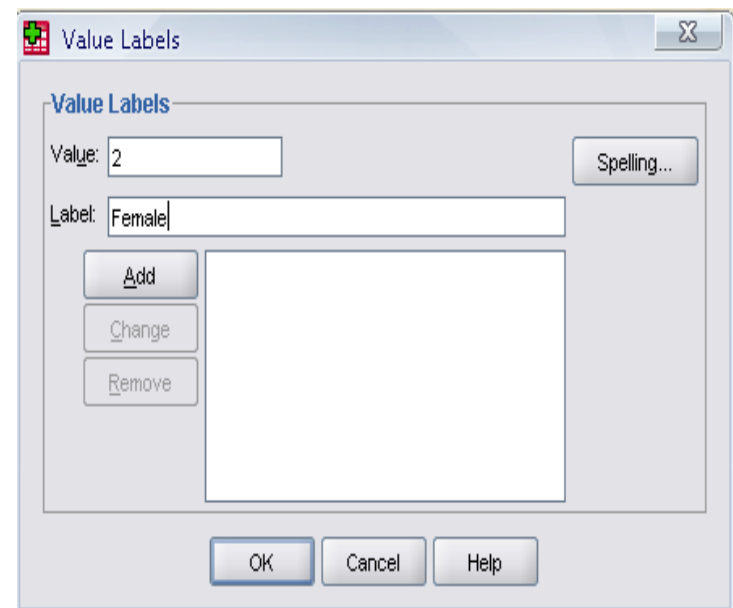
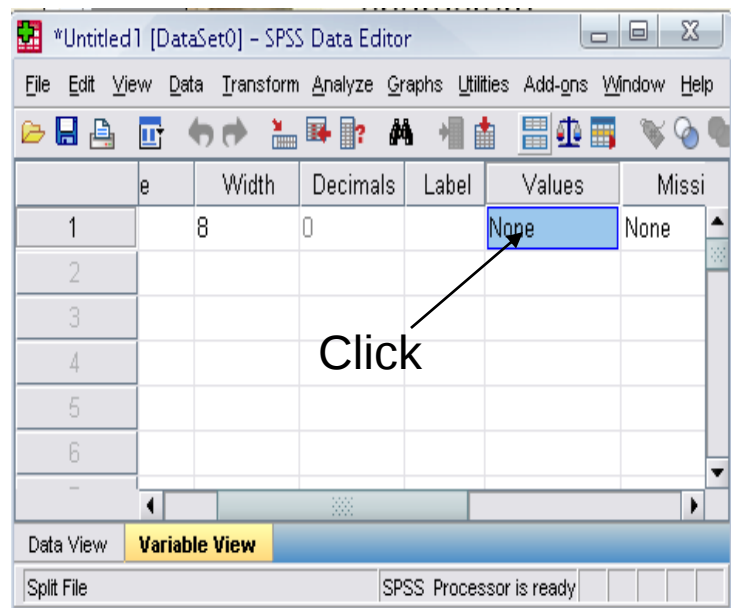
Variable View window: Values

- Values
 - This is used and to suggest which numbers represent which categories when the variable represents a category



Defining the value labels

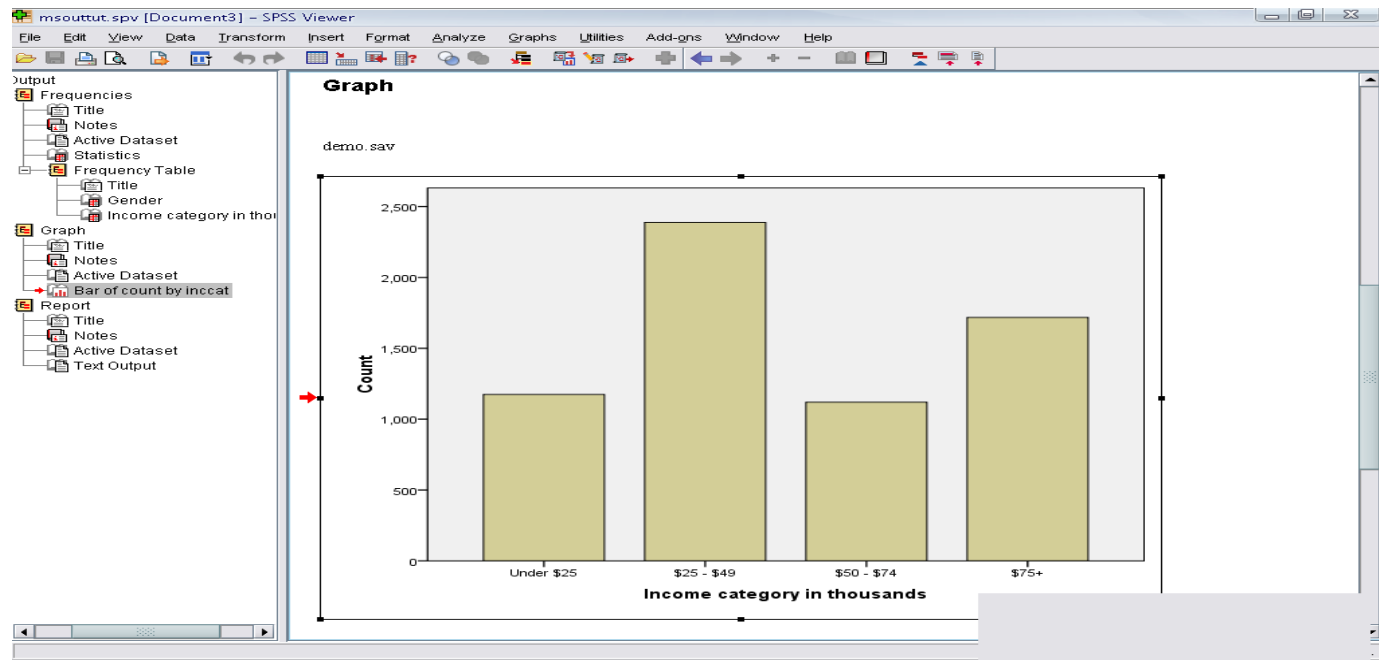
- Click the cell in the values column as shown below
- For the value, and the label, you can put up to 60 characters.
- After defining the values click add and then click OK.



Output Viewer

- Output Viewer

Displays output and errors. Extension of the saved file will be “spv.”



Thank you