Lecture 4: Introduction to SPSS

Tasks

1. First, ***install SPSS*** for Windows and ***open SPSS for Windows> SPSS for windows***. *Then, decide what would you like to do?*
2. ***Define the relevant variables*** and ***their labels*** on page 6 into SPSS. Having defined and labeled them, ***assign codes*** to the values of the relevant variables.
3. ***Enter the Data set 5*** on page 7 into the grid.
4. ***Save*** your work and Exit.
5. ***Transfer data*** from an excel file into a SPSS file.

Tips for Task 1

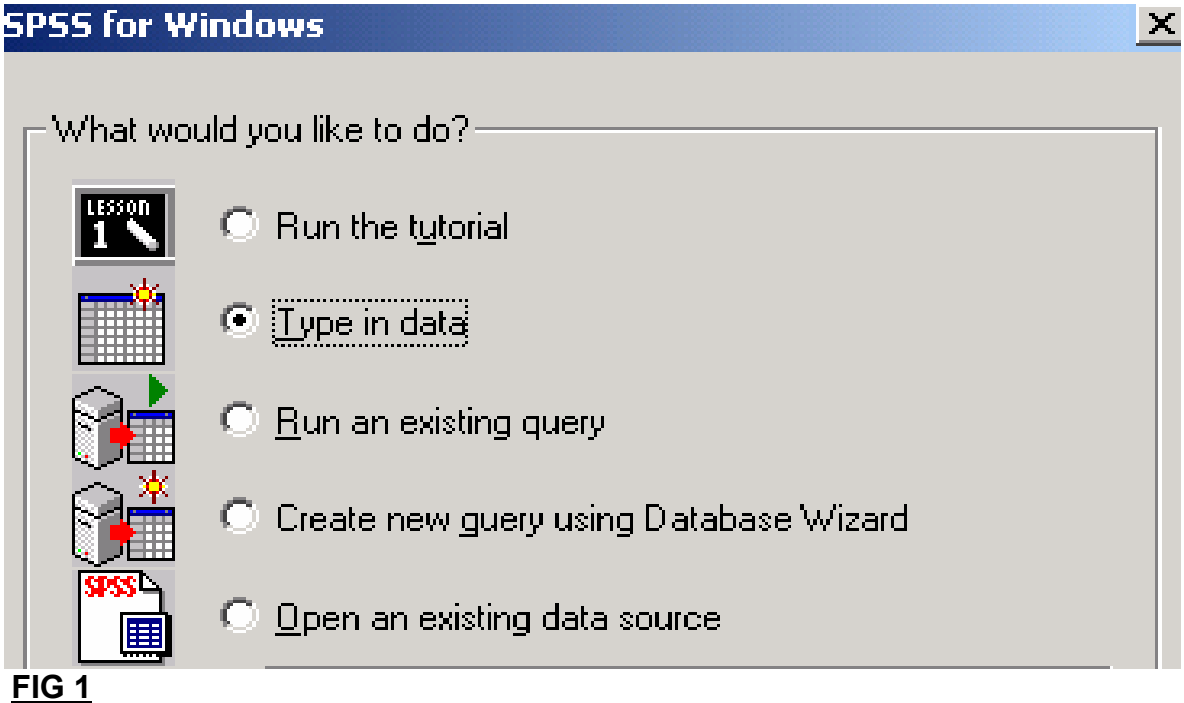


FIG 1

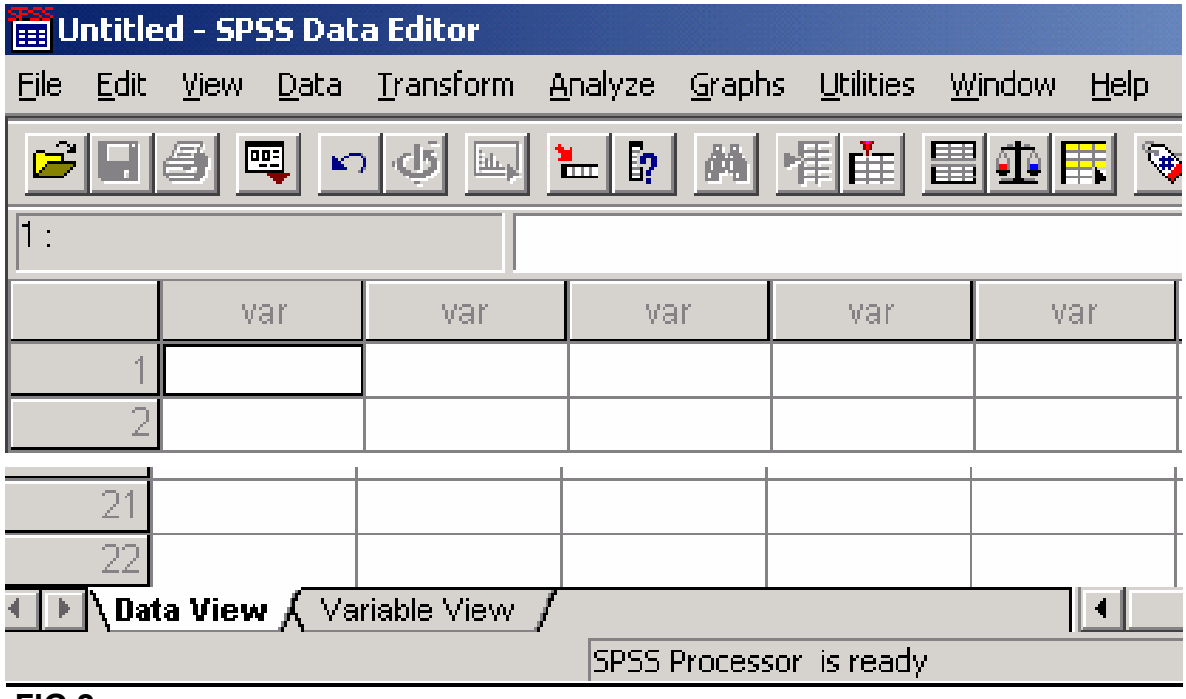
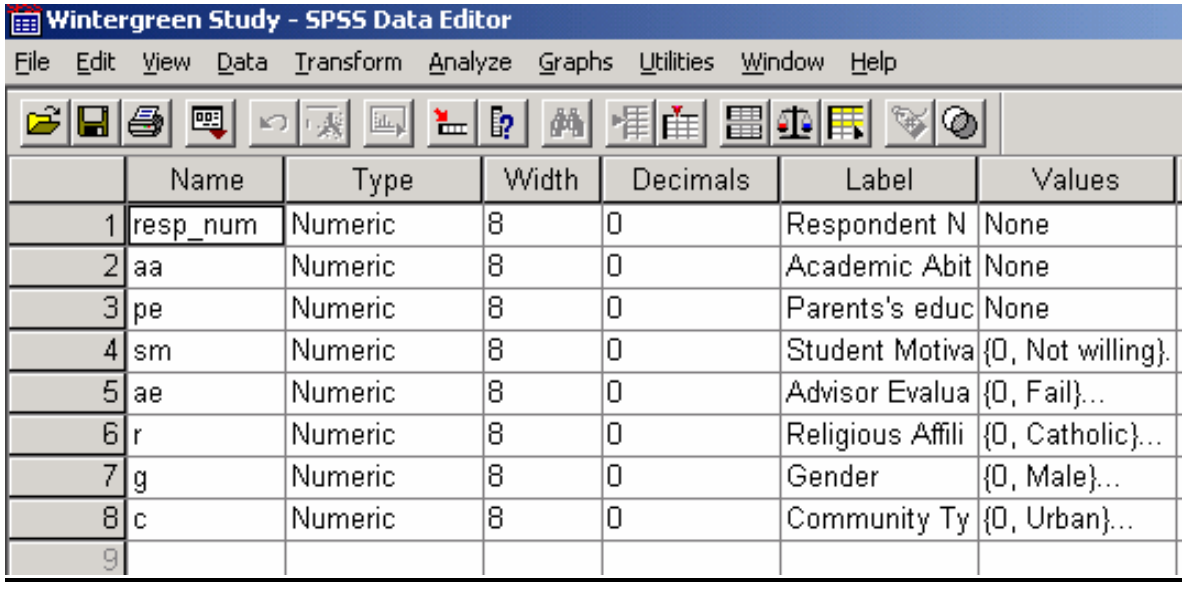


FIG 2

Tips for Task 2

Click on the tab labeled '**Variable View'** and then define the variables as in Table 1 on page 6. At the end of task 2, you will have the table as in Figure 3.



	Name	Type	Width	Decimals	Label	Values
1	resp_num	Numeric	8	0	Respondent N	None
2	aa	Numeric	8	0	Academic Abit	None
3	pe	Numeric	8	0	Parents's educ	None
4	sm	Numeric	8	0	Student Motiva	{0, Not willing}.
5	ae	Numeric	8	0	Advisor Evalua	{0, Fail}...
6	r	Numeric	8	0	Religious Affili	{0, Catholic}...
7	g	Numeric	8	0	Gender	{0, Male}...
8	c	Numeric	8	0	Community Ty	{0, Urban}...
9						

FIG 3

Notes:

*The variables **AA and PE** do not have value labels but **SM, AE, R, G** and **C** have values labels. (See Table 1 on Page 6)*

For example, for Student Motivation (SM)

Value: 0

Value Label: not willing ***Then click on Add and OK*** *(See Fig 4 and 5)*

*Then click on **Add** and repeat this for "**undecided"** and for **"willing".** When you finish click on **OK** button.*

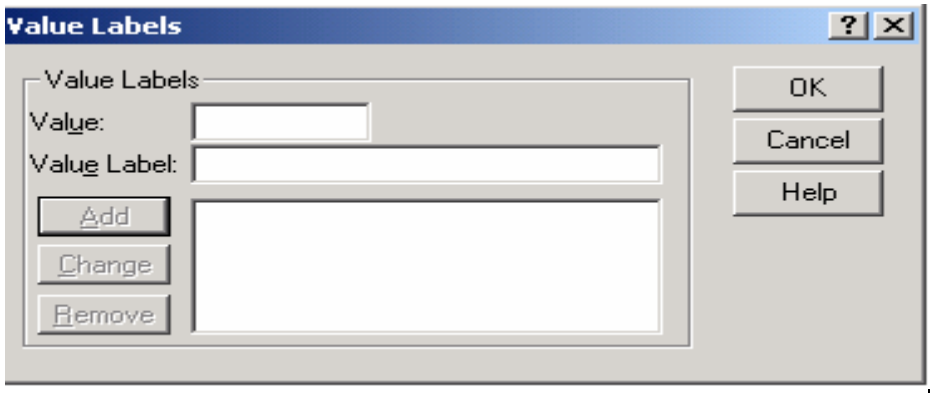


FIG 4

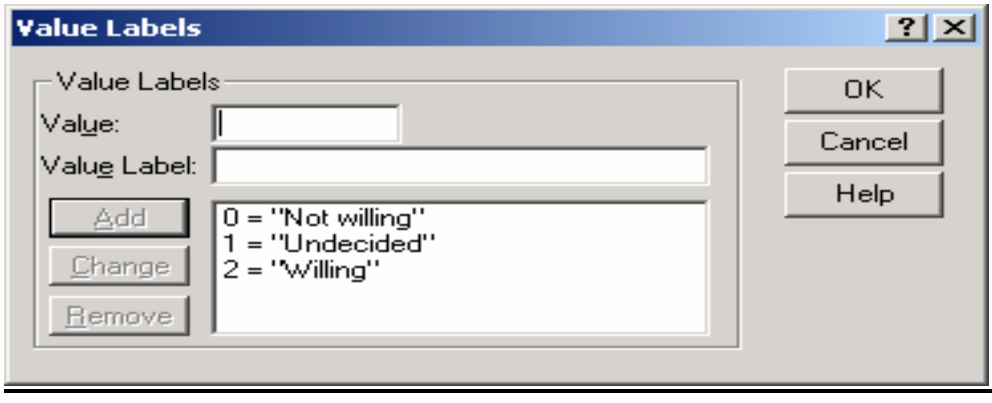
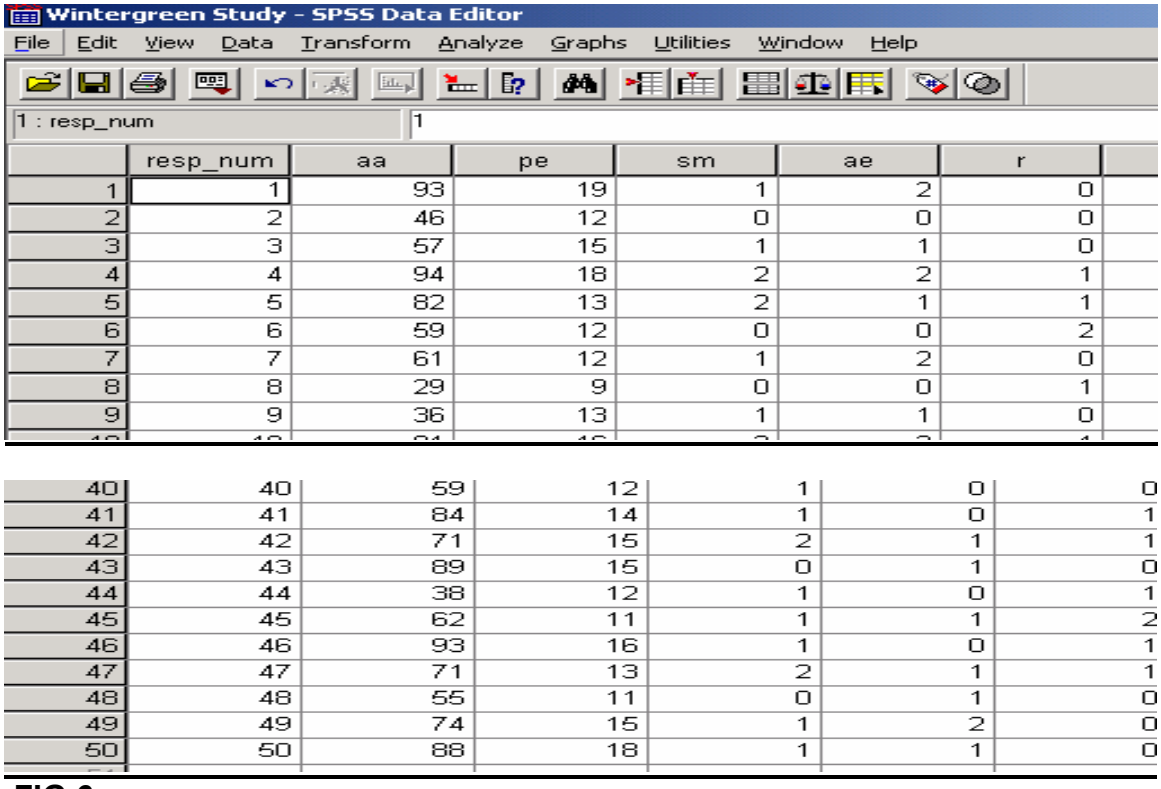


FIG 5

Tips for Task 3

*Click on the tab labeled '**Data View**' and then enter the data set as in Table 2 on page 7. (See Figure 6)*



	resp_num	aa	pe	sm	ae	r
1	1	93	19	1	2	0
2	2	46	12	0	0	0
3	3	57	15	1	1	0
4	4	94	18	2	2	1
5	5	82	13	2	1	1
6	6	59	12	0	0	2
7	7	61	12	1	2	0
8	8	29	9	0	0	1
9	9	36	13	1	1	0
40	40	59	12	1	0	0
41	41	84	14	1	0	1
42	42	71	15	2	1	1
43	43	89	15	0	1	0
44	44	38	12	1	0	1
45	45	62	11	1	1	2
46	46	93	16	1	0	1
47	47	71	13	2	1	1
48	48	55	11	0	1	0
49	49	74	15	1	2	0
50	50	88	18	1	1	0

FIG 6

Tips for Task 4

*Save your work using the **file** pull-down **menu** in SPSS data editor, then select **save** or **save as** button. Type in the name **wintergreen** and click on the **OK** button. SPSS will then save the data to this file **wintergreen.sav** (see Fig 7).*

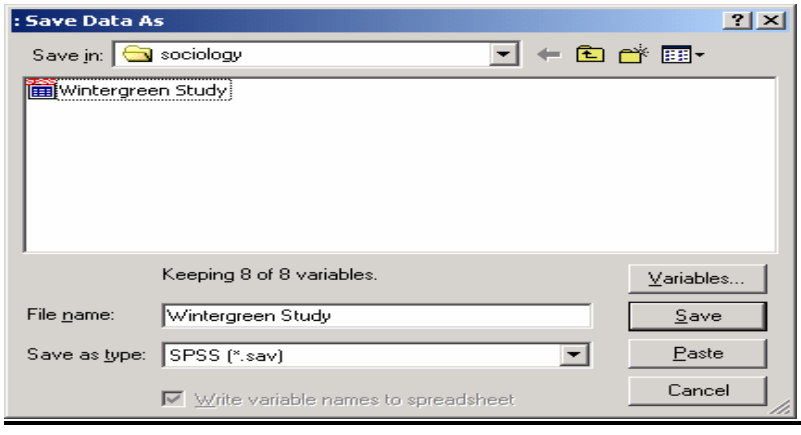


FIG 7

Tips for Task 5

When data are entered into an excel file, it can be saved as spss file using the ***file*** pull-down menu and select **Open>Data** and the relevant excel file to save as ***spss.sav***. *Now, you need to supply a name the first time you save your work. SPSS appends its file extension as* ***.Sav.*** *(See figs 8 and 9). [You can also do the same procedure if your data is saved earlier in SPSS (i.e winter.sav)]*

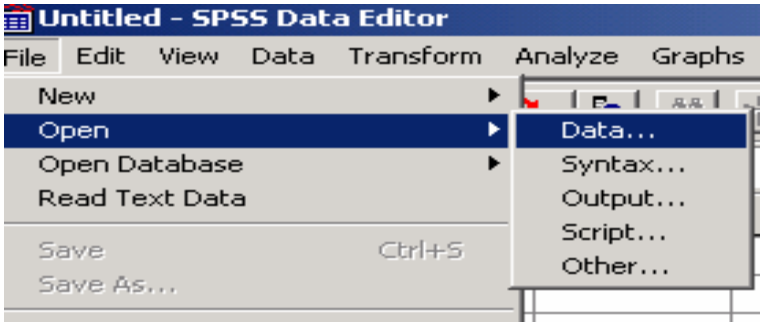


FIG 8

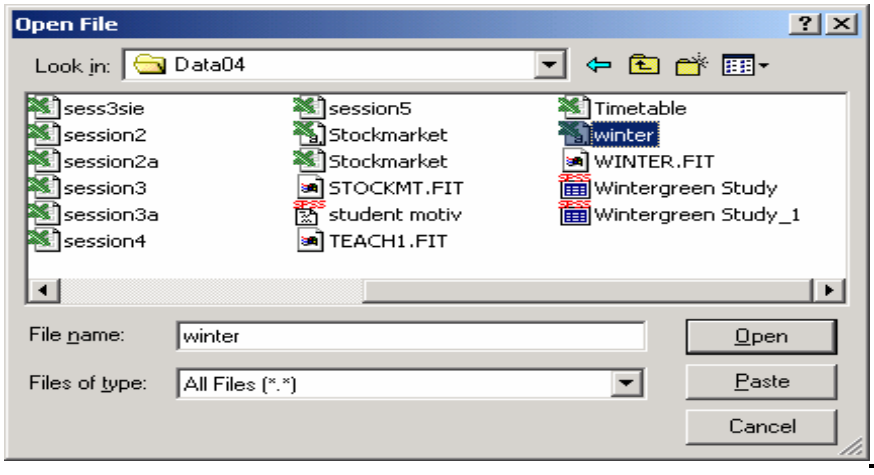


FIG 9

Table 1: Codebook for the Academic Ability (Wintergreen Study)

Variable Label	**Academic Ability**
Variable name	**AA**
Values	See table 2
Variable Label	**Parents' Education**
Variable name	**PE**
Values	See table 2
Variable Label	**Student Motivation**
Variable name	**SM**
Values and its label	0 not willing
	1 undecided
	2 willing
Variable Label	**Advisor Evaluation**
Variable name	**AE**
Values	0 fail
	1 succeed or fail
	2 succeed
Variable Label	**Religious Affiliation**
Variable name	**R**
Values and its label	0 catholic
	1 protestant
	2 jewish
Variable Label	**Gender**
Variable name	**G**
Values and its label	0 Male
	1 Female
Variable Label	**Community Type**
Variable name	**C**
Values and its label	0 Urban
	1 Rural