



يعة برامج (SPSS)	المحور رقم (02) مدخل تعريفي بمجمو
(Introduction on SPSS Software)	مقدمة حول مجموعة برامج SPSS
(Data input)	إدخال البيانات
Data Creation in SPSS	· استحداث البيانات في (SPSS)
• Defining Variables in the Variable View	 تعريف المتغيرات في شاشة عرض المتغير
• Inputting data from other application programs	 إدخال البيانات من برامج أخرى
(Data editing)	تحرير البيانات
• Creating/calculating a new variable	 استحداث/ حساب متغیر جدید
• Research on a subset of observations	 البحث في مجموعة فرعية من الملاحظات
• Splitting the data file	 تقسيم قاعدة البيانات
Recoding variables	• إعادة ترميز المتغيرات
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المحور رقم (02) 🔰 مدخل تعريفي بمجموعة برامج (SPSS) 🔰

(Introduction on SPSS Software)

مقدمة حول مجموعة برامج SPSS

SPSS (Statistical Package for the Social Sciences)

Is a widely distributed software program which allows data to be analysed. This may involve simple descriptive analyses as well as more advanced techniques, such as multivariate analysis. SPSS consists of different modules. This means that in addition to the basic module (Base System), there are also other modules. These are normally destined for more advanced and specialized analyses (for example, the AMOS module, SPSS Data Entry module). SPSS works with different screens for each type of action (for example data input, output, programming, etc.).

Extension

- Data files are indicated by the extension *sav*.
- Output screen is indicated by extension *spo or .spv*.
- Syntax screen is indicated by extension .*sps*.







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Data View	Variable View							
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The Data Editor provides two alternative windows: (Variable View contains the names and details of the variables in the data set). (Data View is an array like a spreadsheet, into which the user can either type new data or enter data from a stored file).

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مقدمة حول مجموعة برامج SPSS: (شاشة العارض) (3. OUTPUT VIEWER)
Output7 [Document7] - IBM SPSS Statistics Viewer File Edit View Data Transform Insert Format Analyze Graphs Utilities Add-ons Window Help Image: Statistics Viewer Image: Statis Image: Statistics Viewer
IBM SPSS Statistics Processor is ready Unicode:ON

- 1. The Output Viewer window: is divided into two sections, or frames. The left frame contains an outline of the content in the Output Viewer. This outline is especially useful when you have run many SPSS commands and need to locate a particular section of output easily. The right frame contains the actual output.
- 2. An Output Viewer window can be saved as: a viewer file (*.spv) so that you can review it again without having to re-run the same commands in SPSS. To save an Output Viewer window, click File > Save As. Alternatively, you can export some or all of the contents in the Viewer window to a new document or image file by clicking File > Export. In general, you can export all content as a PDF (*.pdf), a PowerPoint file (*.xls or *.xlsx), a Word file (*.doc or *.docx), an HTML file (*.htm), or a text file (*.txt). Graphs can be saved as *.bmp, *.emf, *.eps, *.jpeg, *.png, or *.tif.

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(4.SPSS	5 Toolbar Shortcu	مقدمة حول مجموعة برامج SPSS: (شريط الأدوات) (ts)
lcon	Tooltip	Description
2	Open data document	Open a datafile. Equivalent to File > Open > Data.
	Save this document	Save the active dataset. Equivalent to File > Save or <mark>Ctrl</mark> + <mark>S</mark>
	Print	Print the contents of the active data view window. Not recommended. Equivalent to File > Print.
Ξ.	Recall recently used dialogs	Shows the list of most recently used dialog windows. Use when you need to re-run an analysis.
	Undo a user action	Equivalent to Edit > Undo (in the drop-down menus) or <mark>Ctrl</mark> + <mark>Z</mark> .
	Redo a user action	Equivalent to Edit > Redo (in the drop-down menus) or <mark>Ctrl</mark> + <mark>Y</mark> .
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1. By default, the Data View window: has the following shortcuts for common tasks.

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(4.SP	PSS Toolbar Sho	مقدمة حول مجموعة برامج SPSS: (شريط الأدوات) تابع (prtcuts)
lcon	Tooltip	Description
	Go to case	Jump to a specific case (row) in the active dataset. Equivalent to Edit > Go to Case.
	Go to variable	Jump to a specific variable (column) in the active dataset.Equivalent to Edit > Go to Variable.
	Variables	View the variable name, labels, type, measurement level, missing value codes, and value labels for all variables in the active window. Equivalent to Utilities > Variables.
2	Run descriptive statistics	Variables are summarized with a frequency table; scale variables are summarized using mean, median, standard deviation, range, minimum, and maximum. Equivalent to Analyze > Descriptive Statistics > Frequencies.
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		المحور رقم (02) مدخل تعريفي بمجموعة برامج (SPSS)						
(4.5)	PSS Toolbar Sh	مقدمة حول مجموعة برامج SPSS: (شريط الأدوات) تابع ortcuts)						
lcon	Tooltip	Description						
âà	Find	Search for a value or observation in the dataset, or search and replace a value or observation in the dataset.						
		Equivalent to Edit > Find and Edit > Replace, or Ctrl + F and Ctrl + H , respectively.						
*	Insert	Insert a case between two existing cases.						
	cases	Equivalent to Edit > Insert Cases.						
	Insert	Insert a new variable between two existing variables.						
*	variable	Equivalent to Edit > Insert Variable.						
	Split file	Stratify your analyses based on a categorical variable. For Exp, if the variable Gender is selected in Split File, running descriptive statistics on any other variables will produce descriptives for males and females separately. Equivalent to Data > Split File.						
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		المحور رقم (02) مدخل تعريفي بمجموعة برامج (SPSS)
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lcon	Tooltip	Description
	Weight cases	Set a weighting variable. Equivalent to Data > Weight Cases.
	Select cases	Extract a set of cases to a new datafile based on some criteria, or apply a filter variable. Equivalent to Data > Select Cases.
 କ	Value labels	Toggle whether the raw data or the value label is displayed in the Data View window. Equivalent to View > Value Labels.
Ø	Use variable sets	Select or unselect sets of variables to show in the active window. Equivalent to Utilities > Use Variable Sets. Note that you must first define a variable set. (Utilities > Define Variable Sets) in order for this to be useful.
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Oper	1					🕑 Syntax				

- 1. These are the menus that you see across the toolbar at the top of the screen--e.g., File, Edit, View, Data, etc. These menus provide the options you need for performing specific actions on your data. Clicking on any one of the menus will produce a list of menu items. You may then select a specific menu item from the list to perform specific actions.
- 2. Using syntax commands (rather than drop-down menus) is preferable for several reasons:
- 3. Syntax allows users to write commands that are not available via drop-down menus.
- 4. Syntax provides a useful log of what steps you have taken while working with your data.
- 5. Syntax allows you to easily edit your commands, in any order, rather than having to re-select each drop-down command if you decide to change some part of your analysis.
- 6. Syntax allows you to consistently reproduce your commands, which is important for validating your methods.

7. Overall, syntax offers more flexibility, a clearer record, and greater ease in making changes and re-running commands. It does take some practice to learn to write the basic command language, but once you learn the language the benefits of working with data in this way will become very clear.



- 1. For example: if the data are based on a survey of college students, then each row in the data would represent a specific college student who participated in the study.
- 2. For example: your data might include information such as each college student's date of birth, grade point average (GPA), date of enrollment, and date of graduation. Each of these pieces of information is a variable that describes each case (college student).

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(Viewing Multiple Sections)	دة)	ىرض متعا	شاشة ع) :SPS	برامج S	مجموعة	مقدمة حول
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	2	46919	Female	Athlete		in state	72
	3	27496	Female	Non-athlete		. In state	67
	4	40303	Female	Non-athlete			59
	6	23643	Male	Achiete Non-athlate		in state	11.7
	7	46363	Famala	Non-athlata		in state	61.4
	8	41291	Male	Athlete		Out of state	71
	9	26154	Female	Non-athlete		in state	58
	10	25871	Male	Athlete		in state	
	11	44115	Female	Non-athlete		in state	69
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	Data View	Variable View					
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1. Now the Data Editor window is partitioned into four sections. The upper and lower sections, as well as the left and right sections, are controlled by separate scroll bars.

Looking for specific Case or variable SPSS provides a way of quickly jumping to specific cases or variables in your dataset in the Data View window. SPSS provides a way of quickly jumping to specific cases or variables in your dataset in the Data View window. To jump to a specific case number: 1. Click the Go to case icon Image: Click Edit > Go to Case. 2. Enter the case number 3. Click Go Image: Click Edit > Go to Case. 3. Click Go Image: Click Edit > Go to Case. 3. Click Go Image: Click Edit > Go to Case. 3. Click Go Image: Click Edit > Go to Case. Image: Click Edit > Go to Case. 3. Click Go Image: Click Edit > Go to Case. 3. Click Go Image: Click Edit > Go to Case. Image: Click Edit	ج (SPSS)	المحور رقم (02) مدخل تعريفي بمجموعة برام
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 To jump to a specific case number: 1. Click the Go to case icon icick Edit > Go to Case. 2. Enter the case number 3. Click Go IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	SPSS provides a way of quickly jumping to in the Data View window.	specific cases or variables in your dataset
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	 Click the Go to case icon Click Edit > Go to Case. Enter the case number Click Go Click Go 	 Click the Go to variable icon Click Edit > Go to variable. Enter the variable number Click Go Click Go

1. This is an especially useful option for large datasets that include hundreds of cases and variables.

	المحور رقم (02) مدخل تعريفي بمجموعة برامج (SPSS)
(Using SPSS Syntax	مقدمة حول مجموعة برامج SPSS: لغة البرمجة في SPSS ()
SPSS syntax is a programi commands that run SPSS	ming language that is unique to SPSS. It allows you to write procedures, rather than using the graphical user interface.
In SPSS syntax, placing ar the start of a line will turn a create a new, un-comment with the color gray.	n asterisk (*) or a forward-slash followed by an asterisk (//*) at all text on that line into a comment. Hitting the Enter key will red line. Typically, comments in SPSS syntax are color-coded
Dark blue/purple	Procedure names: execution statements
Green	Statements associated with the given procedure
Dark red/orange	Option keywords
Grav	Comments
Black	Variable names: other text
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- 1. **TIP:** You can view the content of a syntax file (*.sps) using a text editor like Notepad or Notepad++, even on computers that do not have SPSS installed.
- 2. Note: You can copy the syntax from an output window and paste it into a new Syntax Editor window to re-use, modify, and save the syntax. To copy syntax from the output (in the Output Viewer window), simply click the syntax, copy it, and paste it into a Syntax Editor window.
- 3. In general, if you are working on a major project (like a thesis, dissertation, or research for publication), or if you are collaborating with others on data analysis, we strongly recommend using SPSS syntax.

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(Using SPSS Syntax)	مجموعة برامج SPSS: لغة البرمجة في SPSS	مقدمة حول
OPENING THE SYNTAX EDITOR To open a new Syntax Editor window	v, click File > New > Syntax.	
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EXECUTING SYNTAX COMMANDS To execute (or run) the commands, hi Selection, or press Ctrl + R on your	ighlight the lines you want to run, then click keyboard.	(Run >
المركز الجامعي لميلة		

1. After you've opened a Syntax Editor window, you can start writing your syntax directly in this window. Alternatively, you can generate syntax while using the graphical user interface: almost all SPSS procedures accessed through the dropdown menus can generate syntax by clicking the Paste button instead of clicking OK/Run. After clicking the Paste button, the new syntax will automatically be added to your open Syntax Editor window.

