

التكليف السابع

إعداد الباحث

شليويح الديحاني



مقاييس النزعة المركزية والتشتت

Chapter
01

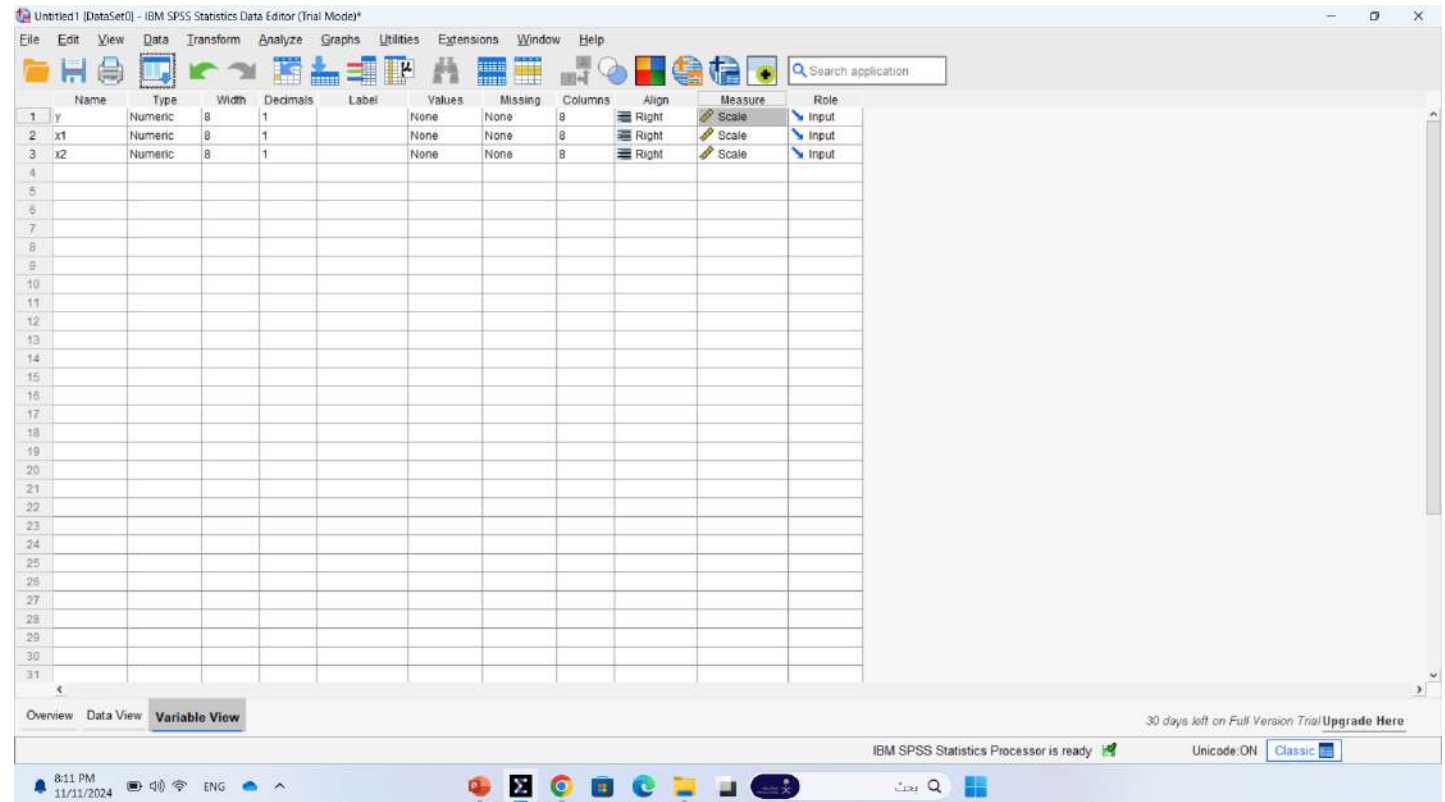
استخدام برنامج SPSS

خطوات الحصول على مقاييس النزعة المركزية والتشتت على SPSS.

- 1 - ادخال البيانات على البرنامج الإحصائي SPSS
- 2 - نضغط على Frequencies ➡ Descriptive Statistics ➡ analyze
- 3 - تظهر نافذة جديدة بعنوان Frequencies ثم نقوم بنقل جميع المتغيرات إلى خانة Variables
- 4 - نجد هناك أيقونة على اليسار باسم Statistics نقوم بالضغط عليها فتظهر نافذة جديدة تحتوي على مقاييس النزعة المركزية والتشتت ، ثم نقوم بالترميز على كافة هذه المقاييس ثم الضغط على OK.

Chapter
02

تسمية المتغيرات



Chapter
02

تعبئة البيانات

Untitled1 (DataSet0) - IBM SPSS Statistics Data Editor (Trial Mode)*

File Edit View Data Transform Analyze Graphs Utilities Extensions Window Help

15607.7

Visible: 3 of 3 Variables

	y	x1	x2	var	var	var	var	var	var	var	var	var	var	var	var	var	var	var	var
1	15607.7	275.5	17803.7																
2	17511.3	274.4	18098.8																
3	20171.2	269.7	18271.8																
4	20932.9	267.0	19167.3																
5	20406.0	267.8	19647.6																
6	20831.6	275.0	20803.5																
7	24806.3	283.0	22076.6																
8	26465.8	300.7	23445.2																
9	27403.0	307.5	24939.0																
10	28628.7	303.7	26713.7																
11	29904.5	304.7	29957.8																
12	27508.2	298.8	31585.9																
13	29036.5	295.5	33474.5																
14	29281.5	299.0	34821.8																
15	31535.8	288.1	41794.3																
16																			
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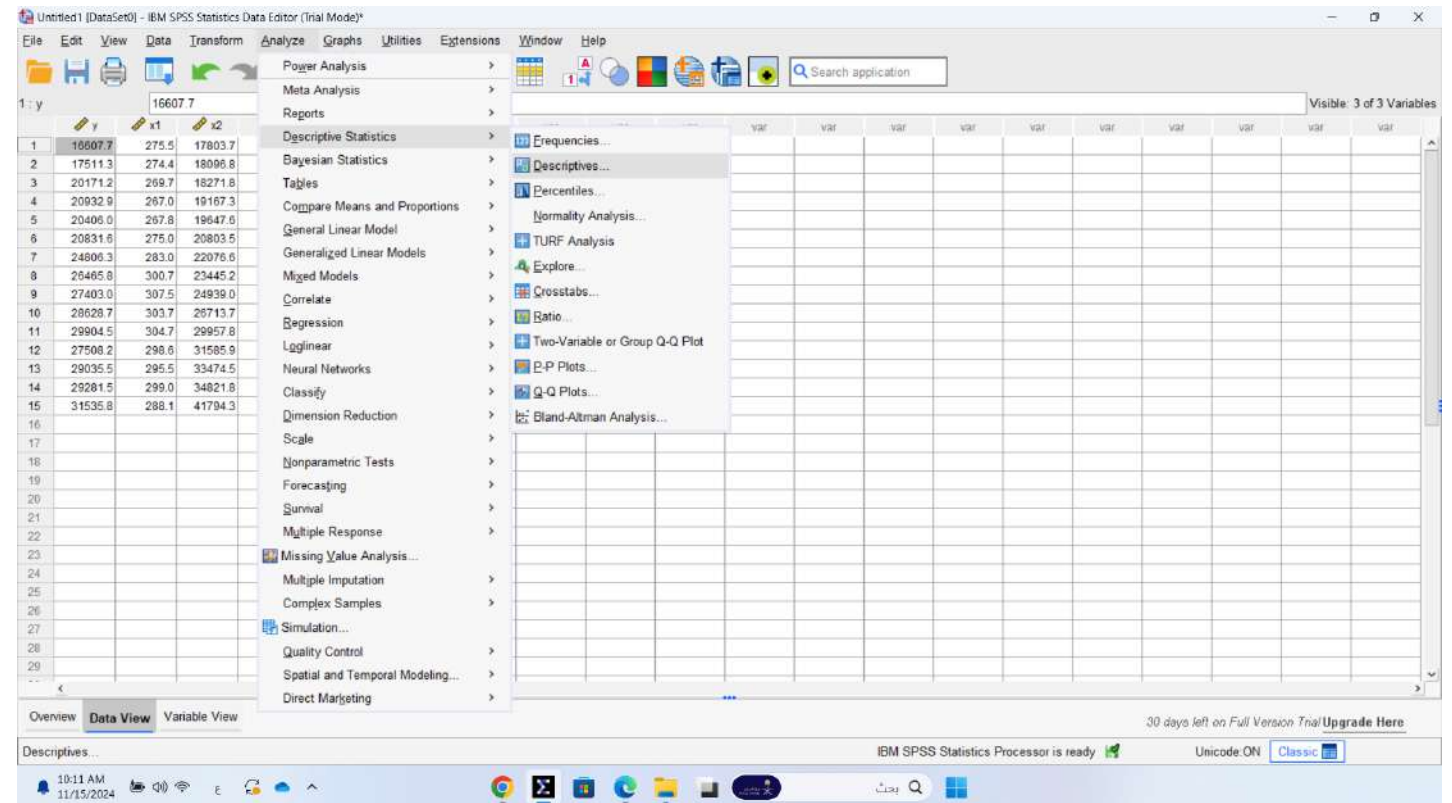
Overview Data View Variable View

IBM SPSS Statistics Processor is ready Unicode ON Classic

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Chapter
02

Descriptives



Chapter
02

نقل المتغيرات

The screenshot displays the IBM SPSS Statistics Data Editor interface. The main window shows a data table with the following variables: y, x1, and x2. The data is organized into rows and columns. A 'Descriptives' dialog box is open, showing the selected variables y, x1, and x2. The dialog box includes options for 'Options...', 'Style...', and 'Bootstrap'. The 'Save standardized values as variables' checkbox is unchecked. The 'OK' button is highlighted.

	y	x1	x2
1	16607.7	275.5	17803.7
2	17511.3	274.4	18096.8
3	20171.2	269.7	18271.8
4	20932.9	267.0	19167.3
5	20406.0	267.8	19647.6
6	20831.6	275.0	20803.5
7	24806.3	283.0	22076.6
8	26465.8	300.7	23445.2
9	27403.0	307.5	24939.0
10	28828.7	303.7	26713.7
11	29904.5	304.7	29957.8
12	27508.2	298.6	31585.9
13	29035.5	295.5	33474.5
14	29281.5	299.0	34821.8
15	31535.8	288.1	41794.3

Chapter 02

اختيار من القائمة

The screenshot displays the IBM SPSS Statistics Data Editor interface. The main window shows a data table with columns labeled 'y', 'x1', and 'x2'. The first row of data is highlighted, showing values 16607.7, 275.5, and 17803.7. Overlaid on the data table is the 'Descriptives: Options' dialog box. This dialog box has several sections: 'Mean' with a checked 'Mean' checkbox and an unchecked 'Sum' checkbox; 'Dispersion' with checked boxes for 'Std. deviation', 'Variance', and 'Range', and unchecked boxes for 'Minimum', 'Maximum', and 'S.E. mean'; 'Distribution' with unchecked boxes for 'Kurtosis' and 'Skewness'; and 'Display Order' with a radio button selected for 'Variable list' and other options for 'Alphabetic', 'Ascending means', and 'Descending means'. At the bottom of the dialog are 'Continue', 'Cancel', and 'Help' buttons. The background data table has a grid of 15 rows and 3 columns of data.

	y	x1	x2
1	16607.7	275.5	17803.7
2	17511.3	274.4	18096.8
3	20171.2	269.7	18271.8
4	20932.9	267.0	19167.3
5	20406.0	267.8	19547.6
6	20831.6	275.0	20803.5
7	24806.3	283.0	22076.6
8	26485.8	300.7	23445.2
9	27403.0	307.5	24939.0
10	28628.7	303.7	26713.7
11	29904.5	304.7	29957.8
12	27508.2	298.8	31585.9
13	29035.5	295.5	33474.5
14	29281.5	299.0	34821.8
15	31535.8	288.1	41794.3

Chapter
02

Descriptives

Output5 [Document5] - IBM SPSS Statistics Viewer

File Edit View Data Transform Insert Format Analyze Graphs Utilities Extensions Window Help

Search application

Output

- Descriptives
 - Title
 - Notes
 - Descriptive Statistics

Descriptives

Descriptive Statistics

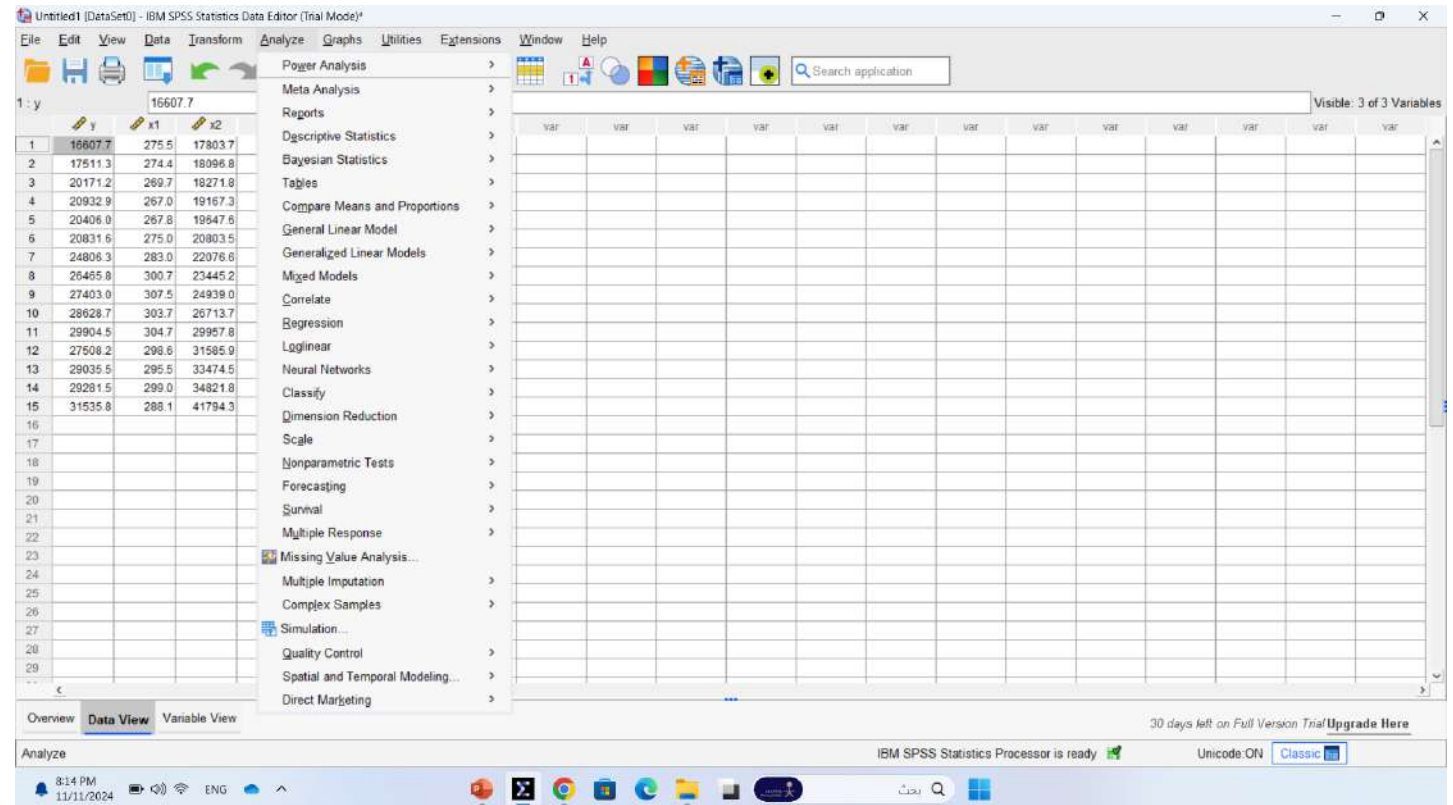
	N	Range	Minimum	Maximum	Mean	Std. Deviation
y	15	14928.1	16607.7	31535.8	24735.333	4874.1735
x1	15	40.5	267.0	307.5	287.347	14.8066
x2	15	23990.6	17803.7	41794.3	25506.633	7335.4815
Valid N (listwise)	15					

IBM SPSS Statistics Processor is ready Unicode: ON Classic

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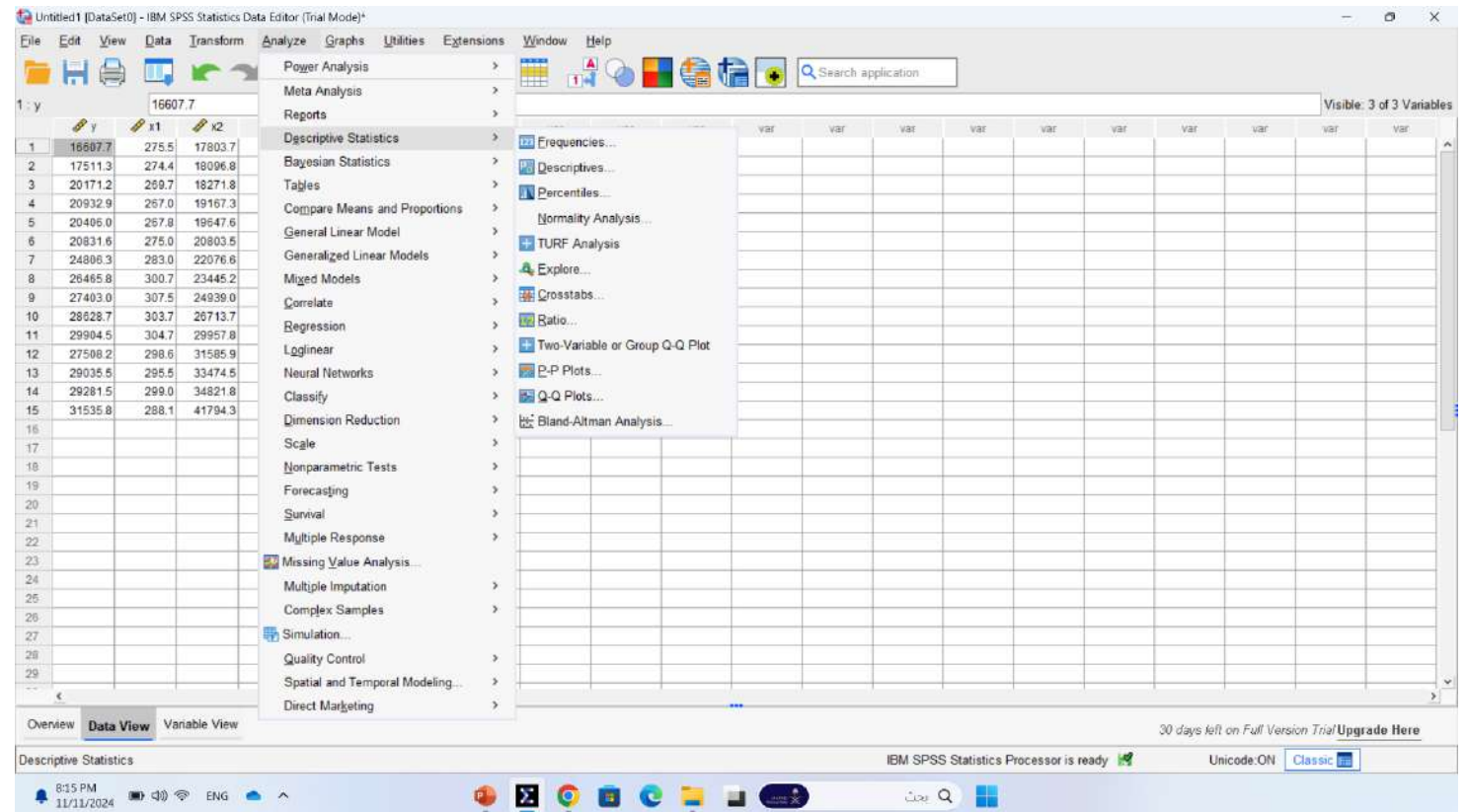
Chapter 02

Analyze



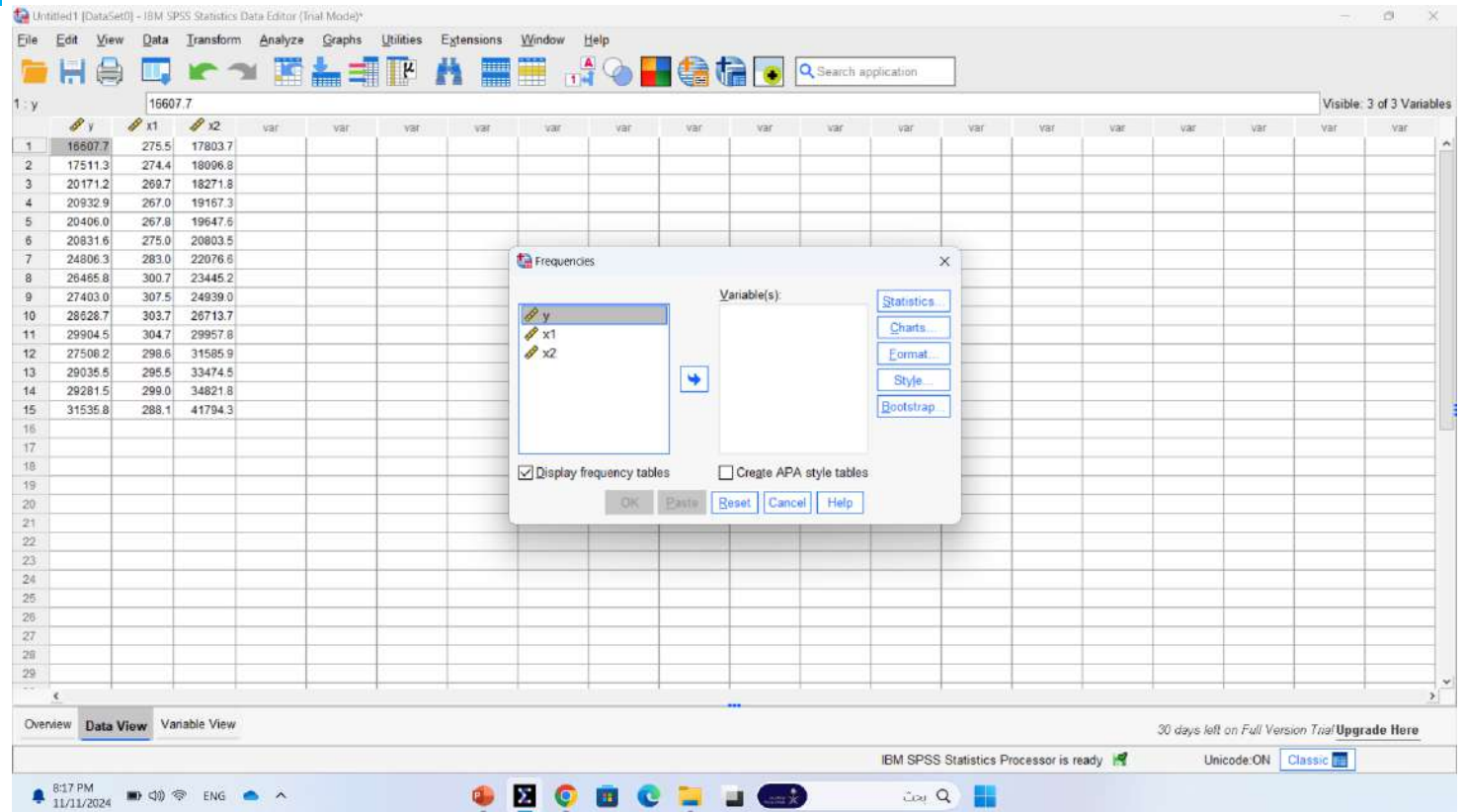
Chapter
02

Descriptive Statistics



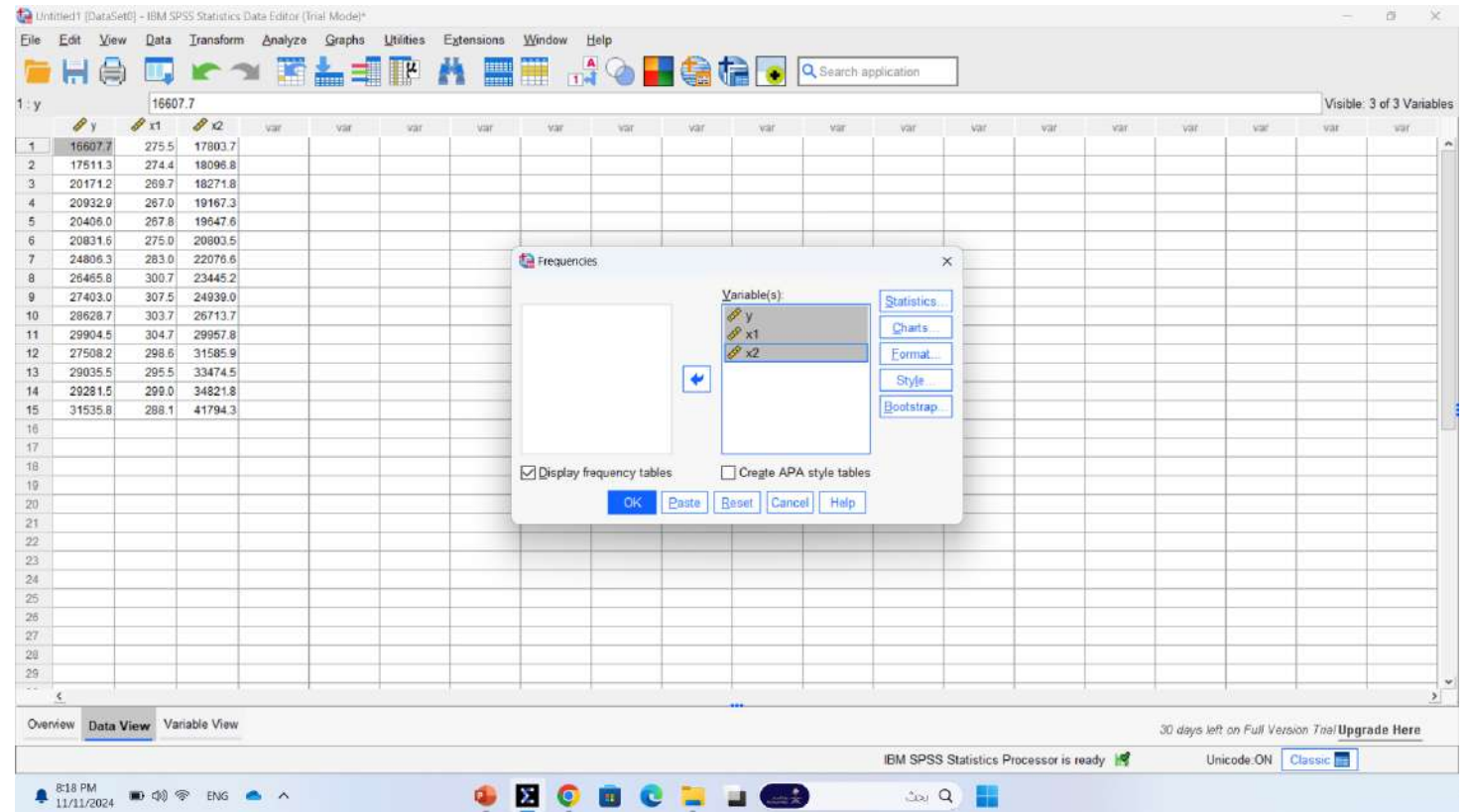
Chapter
02

Frequencies



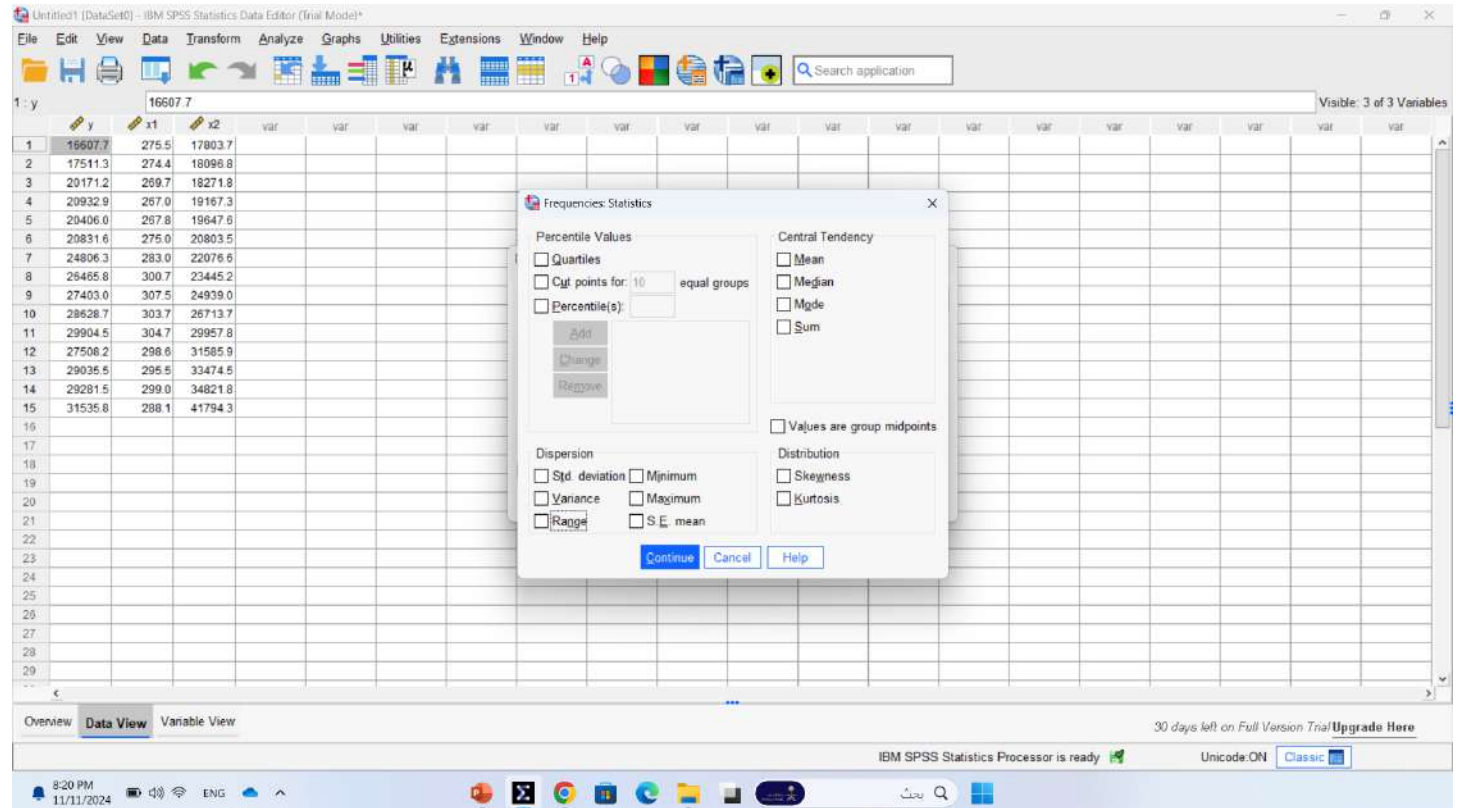
Chapter
02

نقل المتغيرات



Chapter
02

اختيار مقاييس النزعة والتشتت



Chapter
02

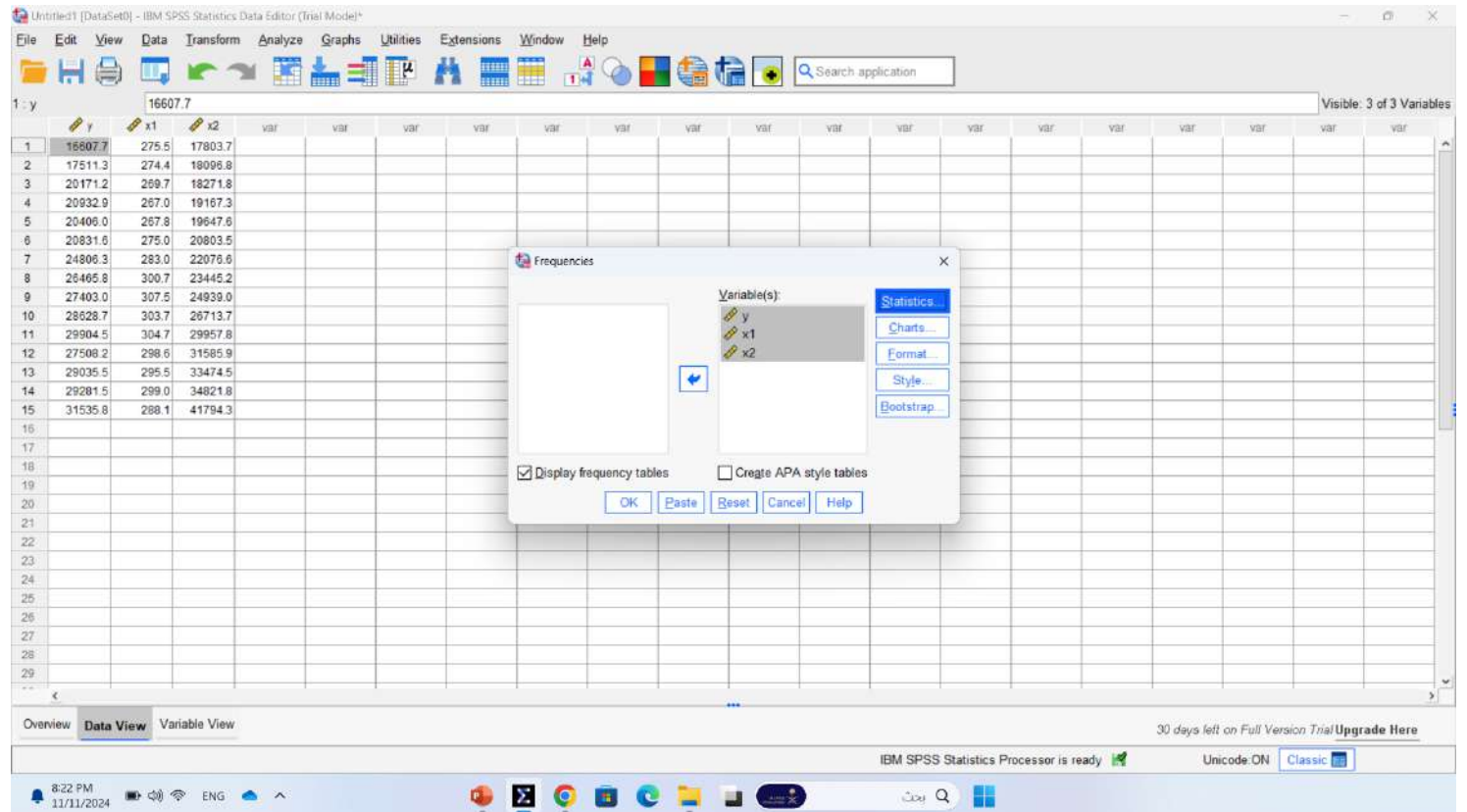
اختيار مقاييس النزعة والتشتت

The screenshot displays the IBM SPSS Statistics Data Editor interface. The main window shows a data table with columns labeled 'y', 'x1', and 'x2'. The 'Frequencies: Statistics' dialog box is open, showing various statistical options. The 'Percentile Values' section includes 'Quantiles' (checked), 'Cut points for: 10 equal groups', and 'Percentile(s)'. The 'Central Tendency' section includes 'Mean' (checked), 'Median' (checked), 'Mode' (checked), and 'Sum' (checked). The 'Dispersion' section includes 'Std. deviation' (checked), 'Variance' (checked), 'Range' (checked), 'Minimum' (checked), 'Maximum' (checked), and 'S.E. mean' (checked). The 'Distribution' section includes 'Skewness' (checked) and 'Kurtosis' (checked). The 'Values are group midpoints' checkbox is unchecked. The 'Continue', 'Cancel', and 'Help' buttons are at the bottom of the dialog box.

	y	x1	x2	var	var	var	var	var	var	var	var	var	var	var	var	var	var	var	var
1	16607.7	275.5	17803.7																
2	17511.3	274.4	18096.8																
3	20171.2	269.7	18271.8																
4	20932.9	267.0	19167.3																
5	20406.0	267.8	19647.6																
6	20831.5	275.0	20803.5																
7	24806.3	283.0	22076.6																
8	26465.8	300.7	23445.2																
9	27403.0	307.5	24939.0																
10	28628.7	303.7	26713.7																
11	29904.5	304.7	29957.8																
12	27508.2	298.6	31585.9																
13	29035.5	295.5	33474.5																
14	29281.5	299.0	34821.8																
15	31535.8	288.1	41794.3																
16																			
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28																			
29																			

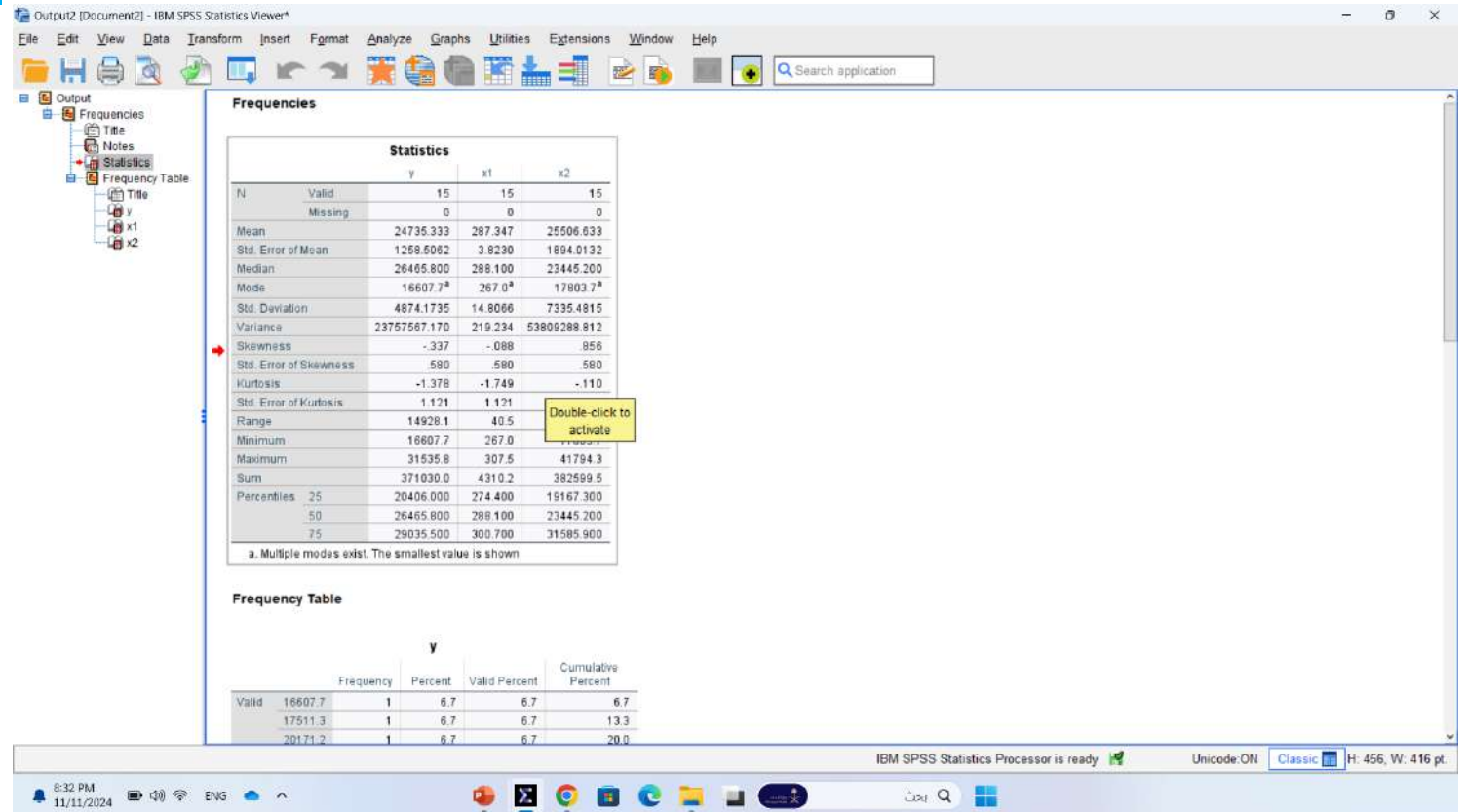
Chapter 02

Statistics



Chapter
02

الإحصائيات



Chapter
02

جدول التكرارات للمتغير Y

Output2 [Document2] - IBM SPSS Statistics Viewer*

File Edit View Data Transform Insert Format Analyze Graphs Utilities Extensions Window Help

Output

Frequencies

Frequency Table

Frequency Table

	y			
	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	16607.7	1	6.7	6.7
	17511.3	1	6.7	13.3
	20171.2	1	6.7	20.0
	20406.0	1	6.7	26.7
	20831.6	1	6.7	33.3
	20932.9	1	6.7	40.0
	24806.3	1	6.7	46.7
	26465.8	1	6.7	53.3
	27403.0	1	6.7	60.0
	27508.2	1	6.7	66.7
	28628.7	1	6.7	73.3
	29035.5	1	6.7	80.0
	29281.5	1	6.7	86.7
	29904.5	1	6.7	93.3
	31535.8	1	6.7	100.0
Total	15	100.0	100.0	

x1

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	267.0	1	6.7	6.7
	267.8	1	6.7	13.3
	269.7	1	6.7	20.0
	274.4	1	6.7	26.7
	275.0	1	6.7	33.3
	275.5	1	6.7	40.0
	283.0	1	6.7	46.7

Double click to edit Pivot Table

IBM SPSS Statistics Processor is ready

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Chapter
02

جدول التكرارات للمتغير X1

Output2 [Document2] - IBM SPSS Statistics Viewer

File Edit View Data Transform Insert Format Analyze Graphs Utilities Extensions Window Help

Search application

Output

- Frequencies
 - Title
 - Notes
 - Statistics
 - Frequency Table
 - Title
 - x1
 - x2

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	29904.5	1	6.7	6.7	93.3
	31535.8	1	6.7	6.7	100.0
Total		15	100.0	100.0	

x1

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	267.0	1	6.7	6.7
	267.8	1	6.7	13.3
	269.7	1	6.7	20.0
	274.4	1	6.7	26.7
	275.0	1	6.7	33.3
	275.5	1	6.7	40.0
	283.0	1	6.7	46.7
	288.1	1	6.7	53.3
	295.5	1	6.7	60.0
	298.6	1	6.7	66.7
	299.0	1	6.7	73.3
	300.7	1	6.7	80.0
	303.7	1	6.7	86.7
	304.7	1	6.7	93.3
	307.5	1	6.7	100.0
Total	15	100.0	100.0	

x2

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	17803.7	1	6.7	6.7
	18096.8	1	6.7	13.3
	18271.8	1	6.7	20.0
	19167.3	1	6.7	26.7
	19847.8	1	6.7	33.3
	20803.5	1	6.7	40.0

IBM SPSS Statistics Processor is ready Unicode: ON Classic H: 388, W: 445 pt

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Chapter
02

جدول التكرارات للمتغير X2

Output2 [Document2] - IBM SPSS Statistics Viewer

File Edit View Data Transform Insert Format Analyze Graphs Utilities Extensions Window Help

Search application

Output

- Frequencies
 - Title
 - Statistics
 - Frequency Table
 - Title
 - x1
 - x2

275.0	1	6.7	6.7	33.3
275.5	1	6.7	6.7	40.0
283.0	1	6.7	6.7	46.7
288.1	1	6.7	6.7	53.3
295.5	1	6.7	6.7	60.0
298.6	1	6.7	6.7	66.7
299.0	1	6.7	6.7	73.3
300.7	1	6.7	6.7	80.0
303.7	1	6.7	6.7	86.7
304.7	1	6.7	6.7	93.3
307.5	1	6.7	6.7	100.0
Total	15	100.0	100.0	

x2

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	17803.7	1	6.7	6.7
	18096.8	1	6.7	13.3
	18271.8	1	6.7	20.0
	19167.3	1	6.7	26.7
	19647.8	1	6.7	33.3
	20803.5	1	6.7	40.0
	22076.6	1	6.7	46.7
	23445.2	1	6.7	53.3
	24939.0	1	6.7	60.0
	26713.7	1	6.7	66.7
	29957.8	1	6.7	73.3
	31585.9	1	6.7	80.0
	33474.5	1	6.7	86.7
	34821.8	1	6.7	93.3
	41794.3	1	6.7	100.0
Total	15	100.0	100.0	

IBM SPSS Statistics Processor is ready Unicode-ON Classic H: 388, W: 445 pt.

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المصادر

برنامج SPSS الإحصائي من شركة IBM.



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الجميع الذكية
للتعليم القابضة

MIDOCEAN
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شكراً لكم

