

مهارات بحثية 2

Prepared by Younis Arrabi



مهارات بحثية 2 التكليف السبع

العنوان

SPSS assignment



معايير التقييم

التكليف السابع

تقديم عرض (فيديو حوالي خمس دقائق) + الملف مستعرضا الخطوات العملية وطريقة الحصول على مقاييس النزعة المركزية والتشتت للبيانات التالية
لثلاث متغيرات باستخدام البرنامج الاحصائي SPSS
يمكن الاسترشاد بالخطوات المشروحة في المحاضرة السابقة

01

المقاييس

- النزعة المركزية
 - المتوسط الحسابي Mean
 - الوسيط Median
 - المنوال Mode
- مقاييس التشتت
 - الانحراف المعياري Standard Deviation

01

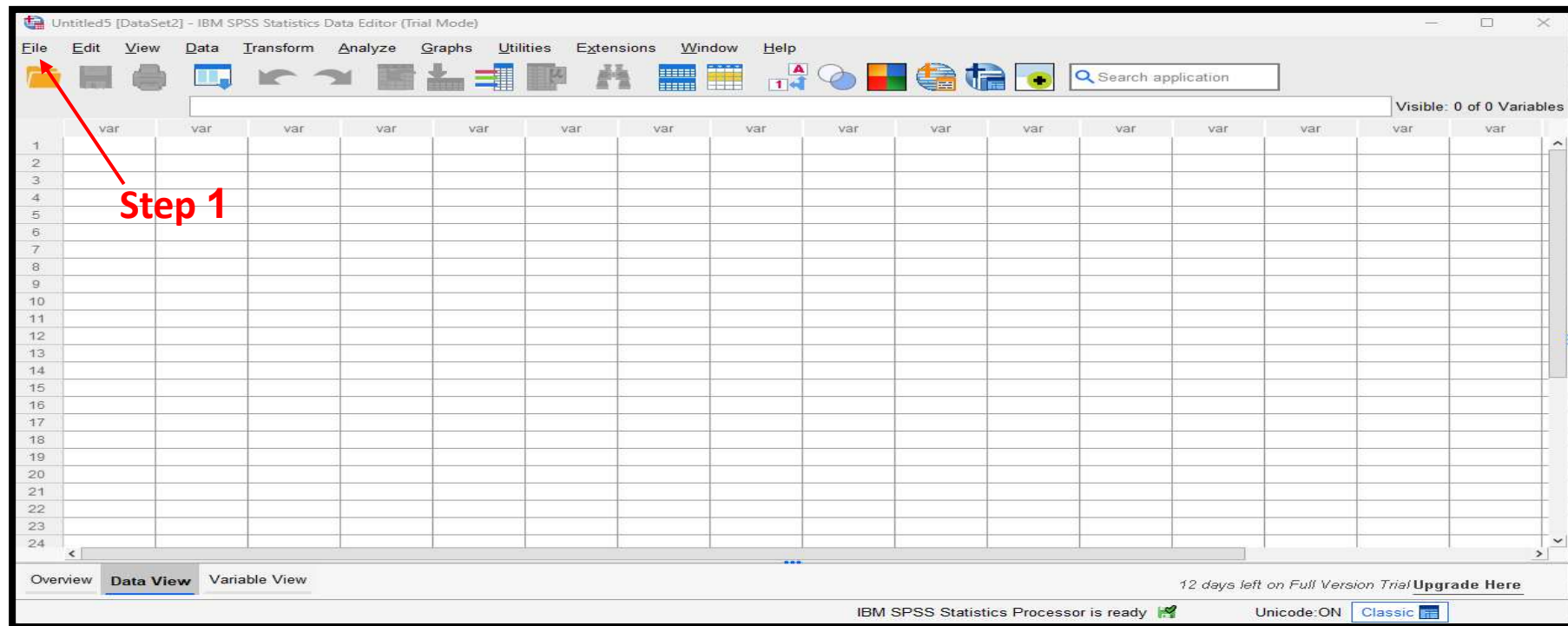
البيانات

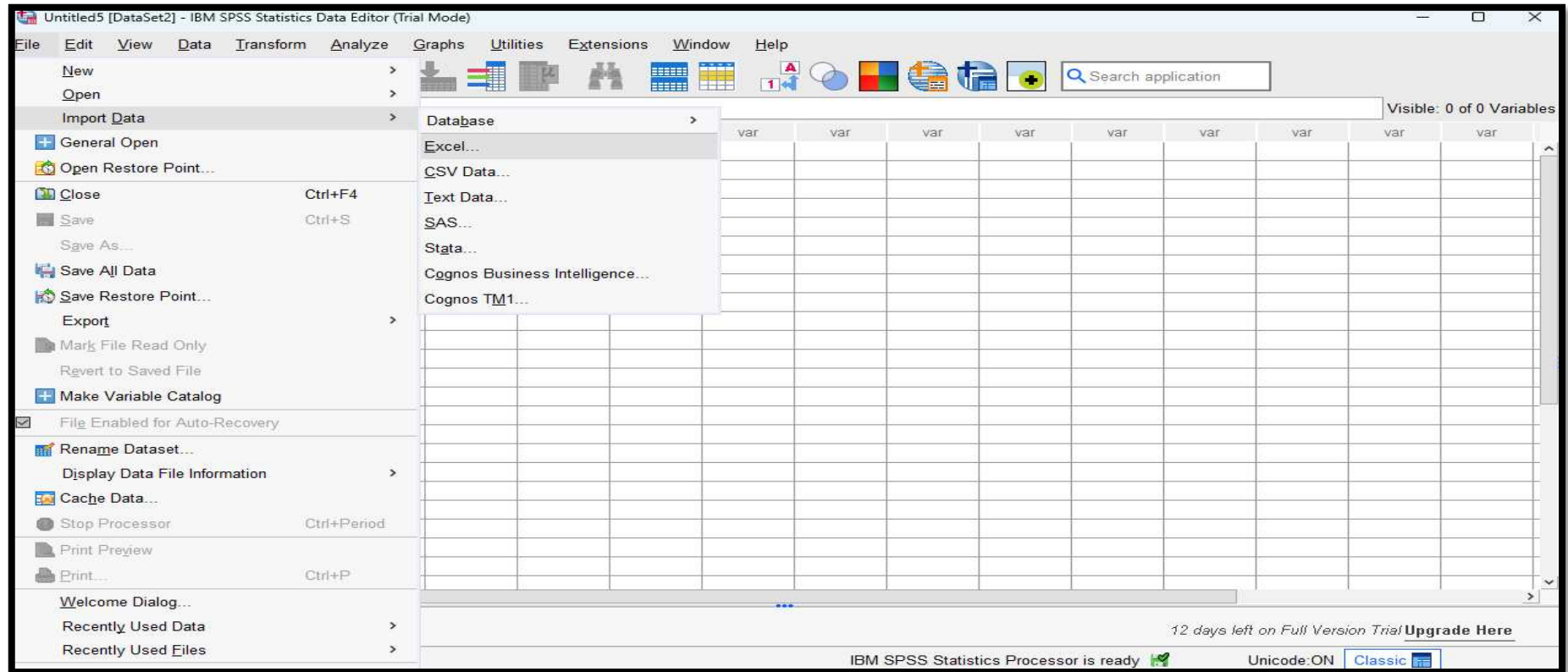
y	x1	x2
16607.7	275.5	17803.7
17511.3	274.4	18096.8
20171.2	269.7	18271.8
20932.9	267	19167.3
20406	267.8	19647.6
20831.6	275	20803.5
24806.3	283	22076.6
26465.8	300.7	23445.2
27403	307.5	24939
28628.7	303.7	26713.7
29904.5	304.7	29957.8
27508.2	298.6	31585.9
29035.5	295.5	33474.5
29281.5	299	34821.8
31535.8	288.1	41794.3

02

الخطوات

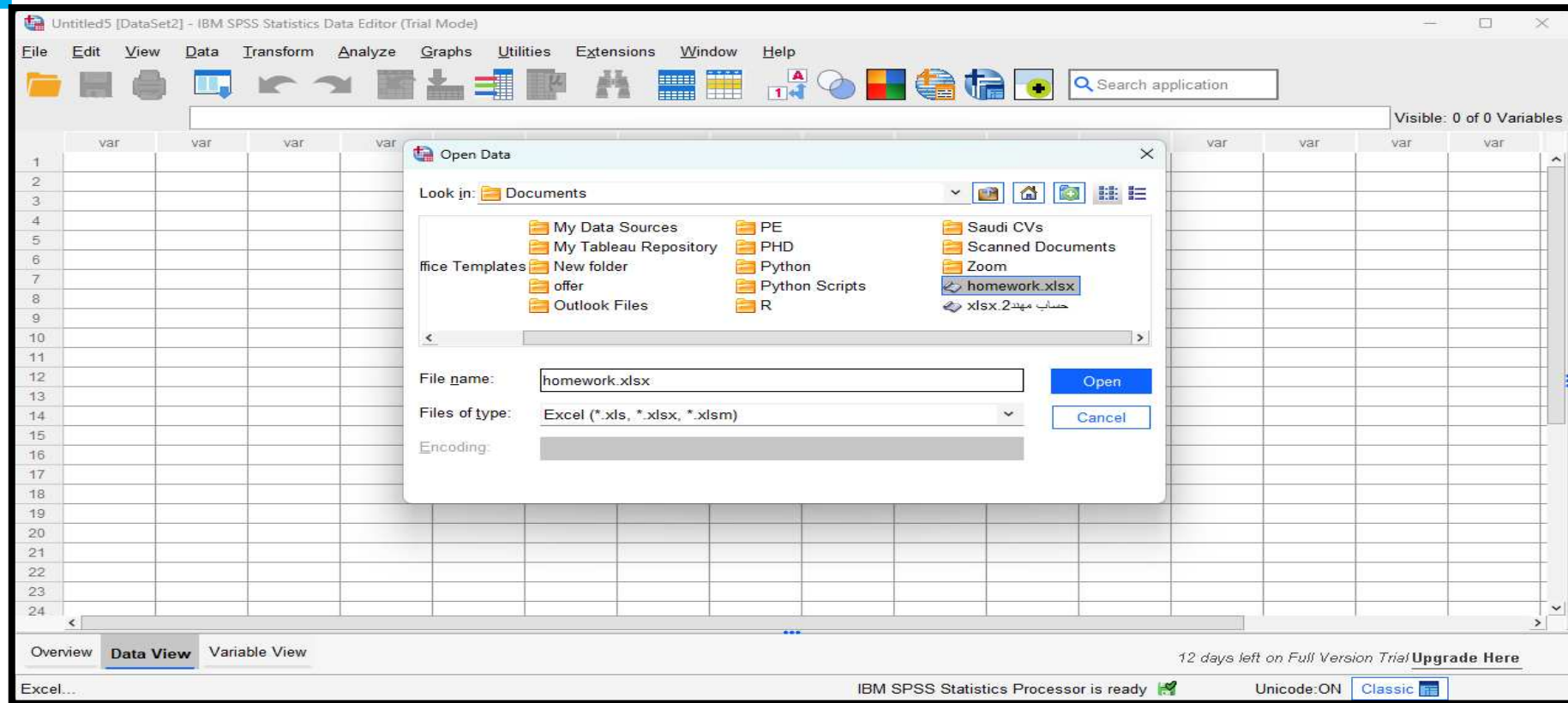
استيراد البيانات او ادخالها





02

الخطوات



02

الخطوات

*Untitled4 [DataSet1] - IBM SPSS Statistics Data Editor (Trial Mode)

File Edit View Data Transform Analyze Graphs Utilities Extensions Window Help

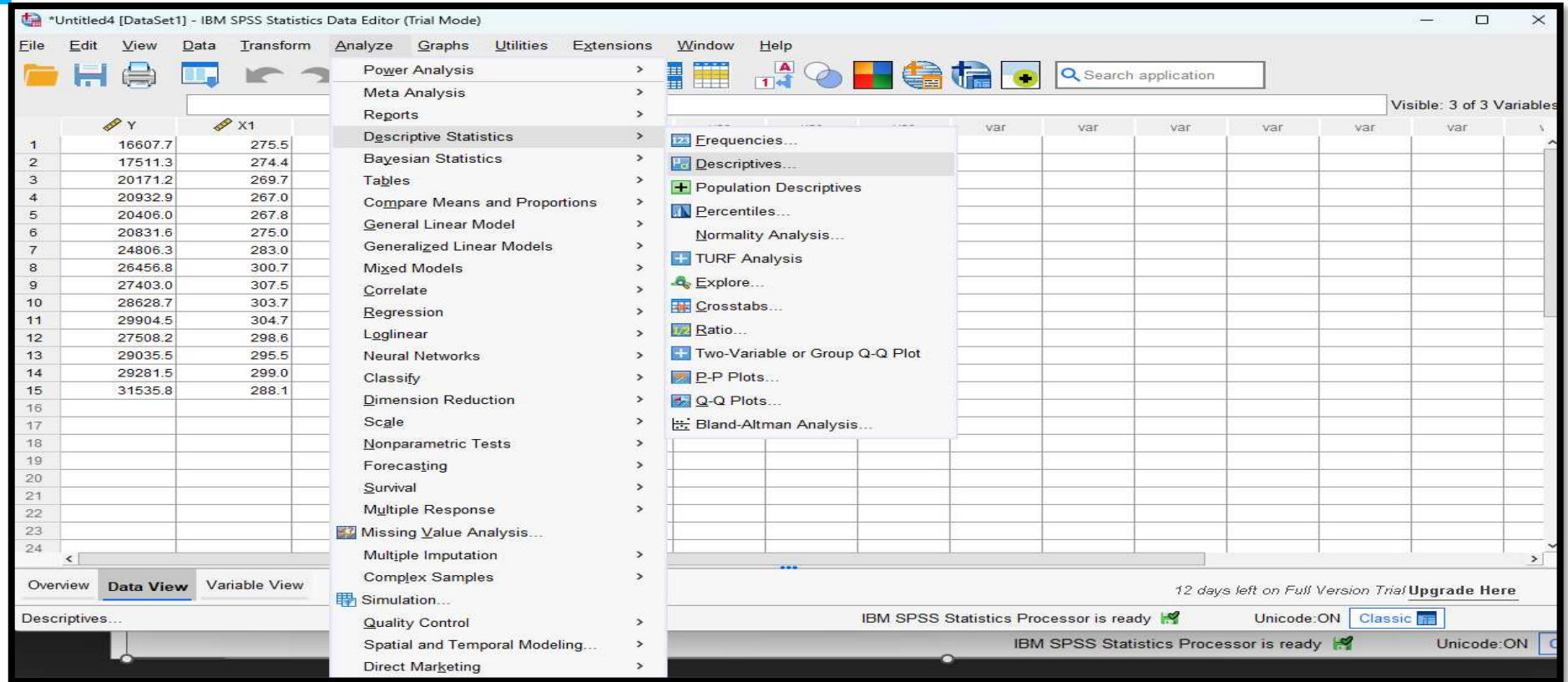
Visible: 3 of 3 Variables

	Y	X1	X2	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	20831.6	275.0	20803.5													
7	24806.3	283.0	22076.6													
8	26456.8	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																
17																
18																
19																
20																
21																
22																
23																
24																

Overview Data View Variable View

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IBM SPSS Statistics Processor is ready Unicode:ON Classic



02

الخطوات

IBM SPSS Statistics Data Editor (Trial Mode)

File Edit View Data Transform Analyze Graphs Utilities Extensions Window Help

Search application

Visible: 3 of 3 Variables

	Y	X1	X2	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												
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16															
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19															
20															
21															
22															
23															
24															

Descriptives

Variable(s):

- Y
- X1
- X2

☐ Save standardized values as variables

Options... Style... Bootstrap...

OK Paste Reset Cancel Help

Overview Data View Variable View

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*Untitled4 [DataSet1] - IBM SPSS Statistics Data Editor (Trial Mode)

File Edit View Data Transform Analyze Graphs Utilities Extensions Window Help

Visible: 3 of 3 Variables

	Y	X1	X2	var	var	var	var	var	var	var	var	var	var	var	var	var	var	var	var
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15	31535.8	288.1	41794.3																
16																			
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18																			
19																			
20																			
21																			
22																			
23																			
24																			

Descriptives: Options

☒ Mean ☐ Sum

Dispersion

☒ Std. deviation ☒ Minimum

☐ Variance ☒ Maximum

☐ Range ☐ S.E. mean

Distribution

☐ Kurtosis ☐ Skewness

Display Order

☒ Variable list

☐ Alphabetic

☐ Ascending means

☐ Descending means

Continue Cancel Help

Overview Data View Variable View

12 days left on Full Version Trial [Upgrade Here](#)

IBM SPSS Statistics Processor is ready Unicode.ON Classic

02

الخطوات

SPSS Statistics Viewer - Output 1 [Document1] - IBM SPSS Statistics Viewer

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

Search application

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Y	15	16607.7	31535.8	24734.733	4873.9458
Valid N (listwise)	15				

Descriptives

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Y	15	16607.7	31535.8	24734.733	4873.9458
X1	15	267.0	307.5	287.347	14.8066
X2	15	17803.7	41794.3	25506.633	7335.4815
Valid N (listwise)	15				

Frequencies

Statistics

	Y	X1	X2
N	Valid 15	15	15
	Missing 0	0	0
Mean	24734.733	287.347	25506.633
Median	26456.800	288.100	23445.200
Mode	16607.7 ^a	267.0 ^a	17803.7 ^a
Std. Deviation	4873.9458	14.8066	7335.4815
Sum	371021.0	4310.2	382599.5

a. Multiple modes exist. The smallest value is shown

Frequency Table

Y

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 16607.7	1	6.7	6.7	6.7
17511.3	1	6.7	6.7	13.3
20171.2	1	6.7	6.7	20.0
20406.0	1	6.7	6.7	26.7
20831.6	1	6.7	6.7	33.3
20932.9	1	6.7	6.7	40.0
24806.3	1	6.7	6.7	46.7
26456.8	1	6.7	6.7	53.3
27403.0	1	6.7	6.7	60.0

02

الخطوات

IBM SPSS Statistics Viewer

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

Search application

Output

Descriptives

Frequency Table

Y

X1

X2

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Y	15	16607.7	31535.8	24734.733	4873.9458
X1	15	267.0	307.5	287.347	14.8066
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N	15	15	15
Valid	15	15	15
Missing	0	0	0
Mean	24734.733	287.347	25506.633
Median	26456.800	288.100	23445.200
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	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
	26456.8	1	6.7	53.3
	27403.0	1	6.7	60.0
	27508.2	1	6.7	66.7

Descriptives

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Y	15	16607.7	31535.8	24734.733	4873.9458
X1	15	267.0	307.5	287.347	14.8066
X2	15	17803.7	41794.3	25506.633	7335.4815
Valid N (listwise)	15				

Statistics

	Y	X1	X2
N	15	15	15
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Thank You

