

مهارات بحثية 2

التكليف السابع

Prepared by
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التكليف السابع

المطلوب استعراض ما يلي:
- الخطوات العملية وطريقة الحصول على مقاييس النزعة المركزية والتشتت
للبيانات التالية لثلاث متغيرات باستخدام البرنامج الاحصائي SPSS.

Untitled3 [DataSet2] - IBM SPSS Statistics Data Editor*

File Edit View Data Transform Analyze Direct Marketing Graphs Utilities Add-ons Window Help

	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align
1	y	Numeric	12	1		None	None	12	Right
2	x1	Numeric	12	1		None	None	12	Right
3	x2	Numeric	12	1		None	None	12	Right
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									

Data View Variable View

IBM SPSS Statistics Processor is ready Unicode: ON

ثانياً: ادخال البيانات والقيم

Untitled3 [DataSet2] - IBM SPSS Statistics Data Editor*

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Visible: 3 of 3 Variables

	y	x1	x2	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	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								

Data View Variable View

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Untitled3 [DataSet2] - IBM SPSS Statistics Data Editor*

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Visible: 3 of 3 Variables

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

Variable(s):

y

x1

x2

Options...

Style...

Bootstrap...

OK Paste Reset Cancel Help

standardized values as variables

34821.8

41794.3

Data View Variable View

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Untitled3 [DataSet2] - IBM SPSS Statistics Data Editor*

Output1 [Document1] - IBM SPSS Statistics Viewer*

File Edit View Data Transform Insert Format Analyze Direct Marketing Graphs Utilities Add-ons Window Help

File Edit View Data Transform Insert Format Analyze Direct Marketing Graphs Utilities Add-ons Window

Log Descriptive Statistics Title Note Desc Log Frequencies Title Note Statistics Frequencies

/STATISTICS=MEAN STDDEV VARIANCE MIN MAX.

Descriptives

Descriptive Statistics

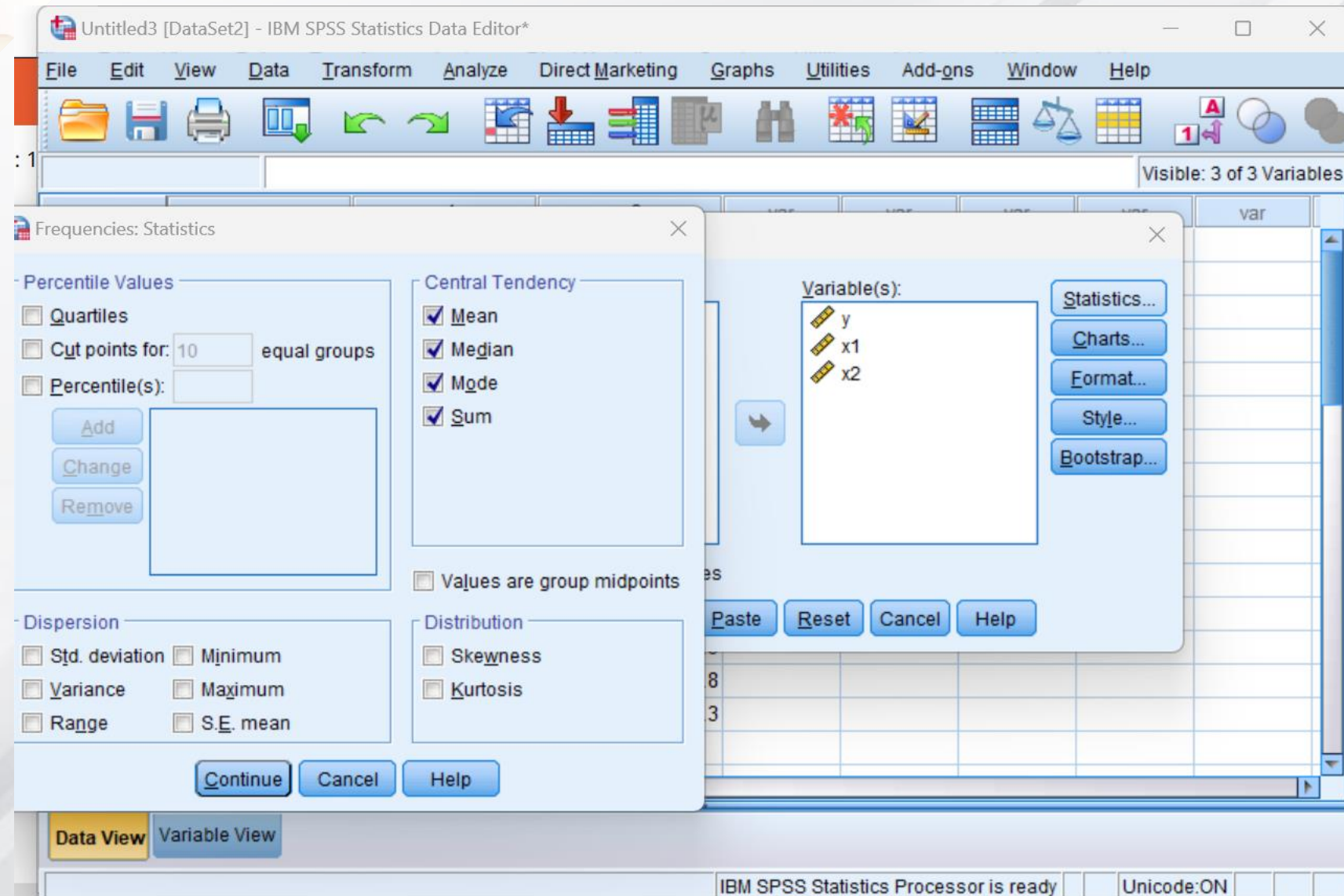
	N	Minimum	Maximum	Mean	Std. Deviation	Variance
y	15	16607.7	31535.8	24735.333	4874.1735	23757567.17
x1	15	267.0	307.5	287.347	14.8066	219.234
x2	15	17803.7	41794.3	25506.633	7335.4815	53809288.81
Valid N (listwise)	15					

FREQUENCIES VARIABLES=y x1 x2
/STATISTICS=MEAN MEDIAN MODE SUM

IBM SPSS Statistics Processor is ready Unicode:

Data View Variable View

IBM SPSS Statistics Processor is ready Unicode:ON



Untitled3 [DataSet2] - IBM SPSS Statistics Data Editor*

File Edit View Data Transform Analyze Direct Marketing Graphs Utilities Add-ons Window Help

Visible: 3 of 3 Variables

Frequencies: Statistics

Percentile Values

- ☐ Quartiles
- ☐ Cut points for: 10 equal groups
- ☐ Percentile(s):
- Add
- Change
- Remove

Central Tendency

- ☒ Mean
- ☒ Median
- ☒ Mode
- ☒ Sum
- ☐ Values are group midpoints

Dispersion

- ☐ Std. deviation
- ☐ Minimum
- ☐ Variance
- ☐ Maximum
- ☐ Range
- ☐ S.E. mean

Distribution

- ☐ Skewness
- ☐ Kurtosis

Continue Cancel Help

Variable(s):

- y
- x1
- x2

Statistics... Charts... Format... Style... Bootstrap...

Paste Reset Cancel Help

Data View Variable View

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Untitled3 [DataSet2] - IBM SPSS Statistics Data Editor*

File Edit View Data Transform Analyze Direct Marketing Graphs Utilities Add-ons Window Help

Output1 [Document1] - IBM SPSS Statistics Viewer*

File Edit View Data Transform Insert Format Analyze Direct Marketing Graphs Utilities Add-ons Window Help

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Log
Descriptiv
Title
Note
Desc
Log
Frequency
Title
Note
Statis
Freq

/STATISTICS=MEAN MEDIAN MODE SUM
/ORDER=ANALYSIS.

➔ **Frequencies**

Statistics

		y	x1	x2
N	Valid	15	15	15
	Missing	0	0	0
Mean		24735.333	287.347	25506.633
Median		26465.800	288.100	23445.200
Mode		16607.7 ^a	267.0 ^a	17803.7 ^a
Sum		371030.0	4310.2	382599.5

a. Multiple modes exist. The smallest value is shown.

IBM SPSS Statistics Processor is ready | Unicode:ON



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الجميع الذكية
للتعليم القابضة

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Thank You

