

التكليف السابع

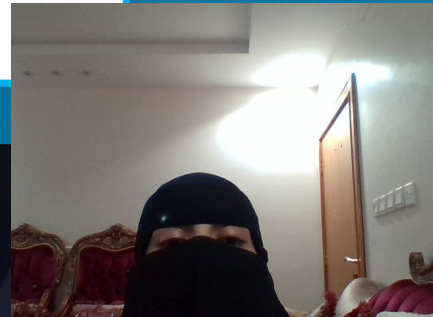
SPSS برنامج



خطوات إدخال البيانات واستخراج مقاييس النزعة المركزية والتشتت في برنامج التحليل الإحصائي:

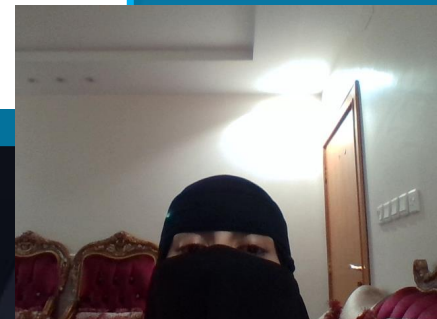
تم إدخال المتغيرات الثلاث في صفحة
variable
view

scale وإدخال اسم المتغير وتحديد نوع المتغير من خانة وتحديد نوع القياس
type- Numeric



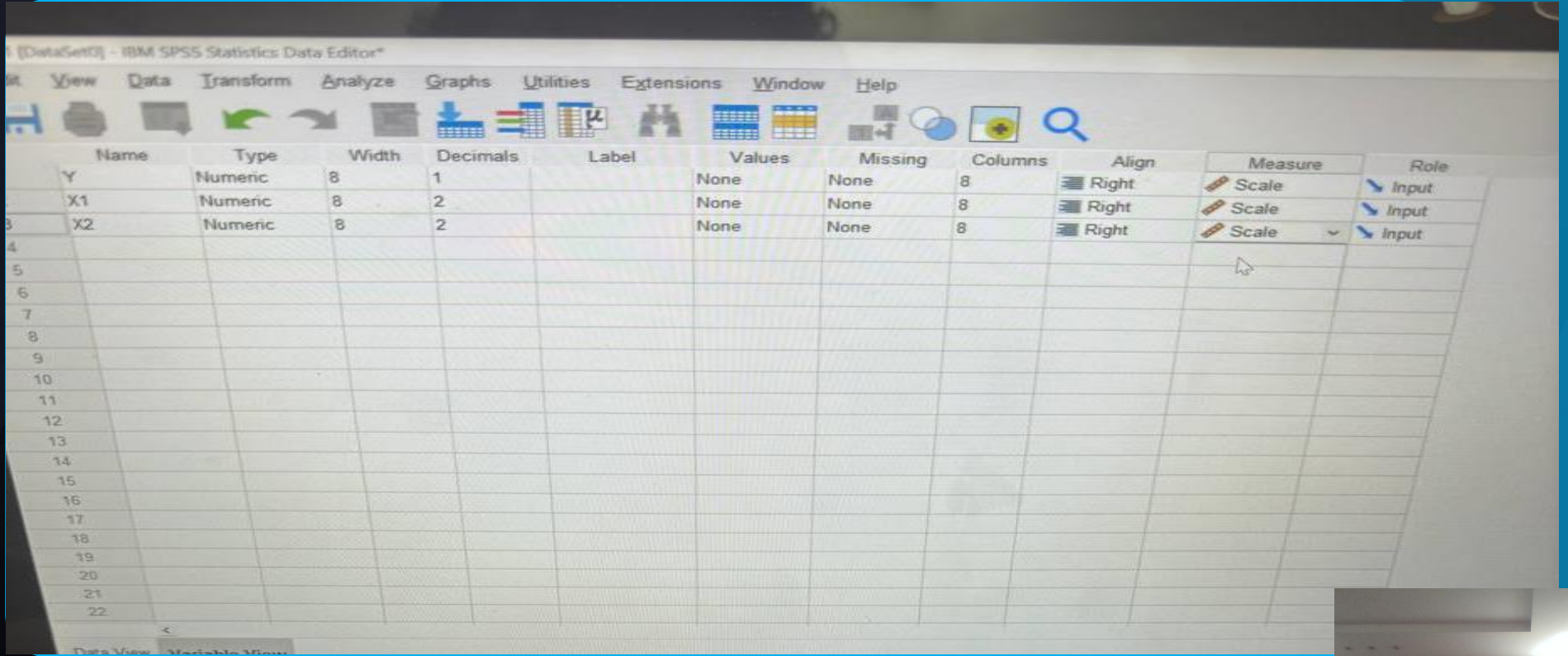
y	x1	x2
16607.7	275.5	17803.7
17511.3	274.4	18096.8
20171.2	269.7	18271.8
20932.9	267	19167.3
20406	267.8	19647.6
20831.6	275	20803.5
24806.3	283	22076.6
26465.8	300.7	23445.2
27403	307.5	24939
28628.7	303.7	26713.7
29904.5	304.7	29957.8
27508.2	298.6	31585.9
29035.5	295.5	33474.5
29281.5	299	34821.8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

<https://midocean.edu.km/>



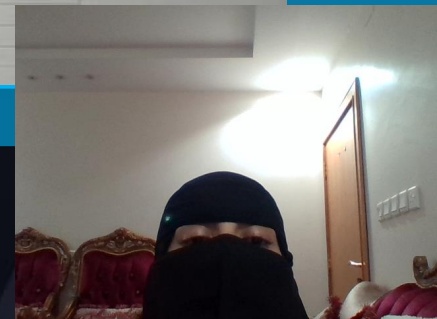
[DataSet1] - IBM SPSS Statistics Data Editor*

File View Data Transform Analyze Graphs Utilities Extensions Window Help



	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Measure	Role
1	Y	Numeric	8	1		None	None	8	Right	Scale	Input
2	X1	Numeric	8	2		None	None	8	Right	Scale	Input
3	X2	Numeric	8	2		None	None	8	Right	Scale	Input
4											
5											
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22											

Data View Variable View



data view . ثم ادخال البيانات (القيم) فى

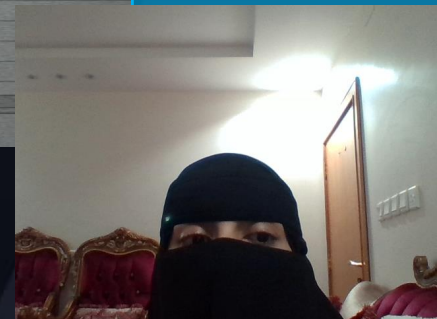
Untitled1 [DataSet0] - IBM SPSS Statistics Data Editor*

File Edit View Data Transform Analyze Graphs Utilities Extensions Window

15 : X2 41794.30

	Y	X1	X2	var	var	var	var
1	16607.7	275.50	17803.70				
2	17511.3	274.40	18096.80				
3	20171.2	269.70	18271.80				
4	20932.9	267.00	19167.30				
5	20406.0	267.80	19647.60				
6	20831.6	275.00	20803.50				
7	24806.3	283.00	22076.60				
8	26465.8	300.70	23445.20				
9	27403.0	307.50	24939.00				
10	28628.7	303.70	26713.70				
11	29904.5	304.70	29957.80				
12	27508.2	289.60	31585.90				
13	29035.5	295.50	33474.50				
14	29281.5	299.00	34821.80				
15	31535.8	288.10	41794.3				
16							
17							
18							
19							
20							
21							

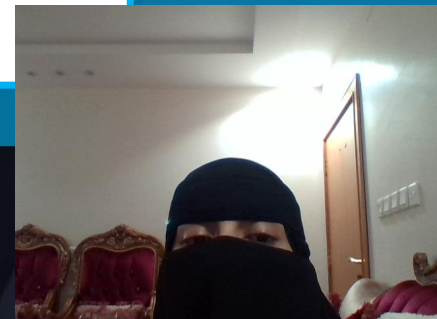
Data View Variable View

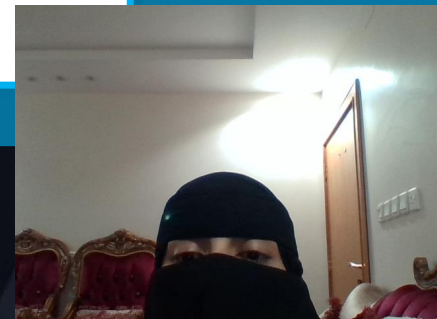
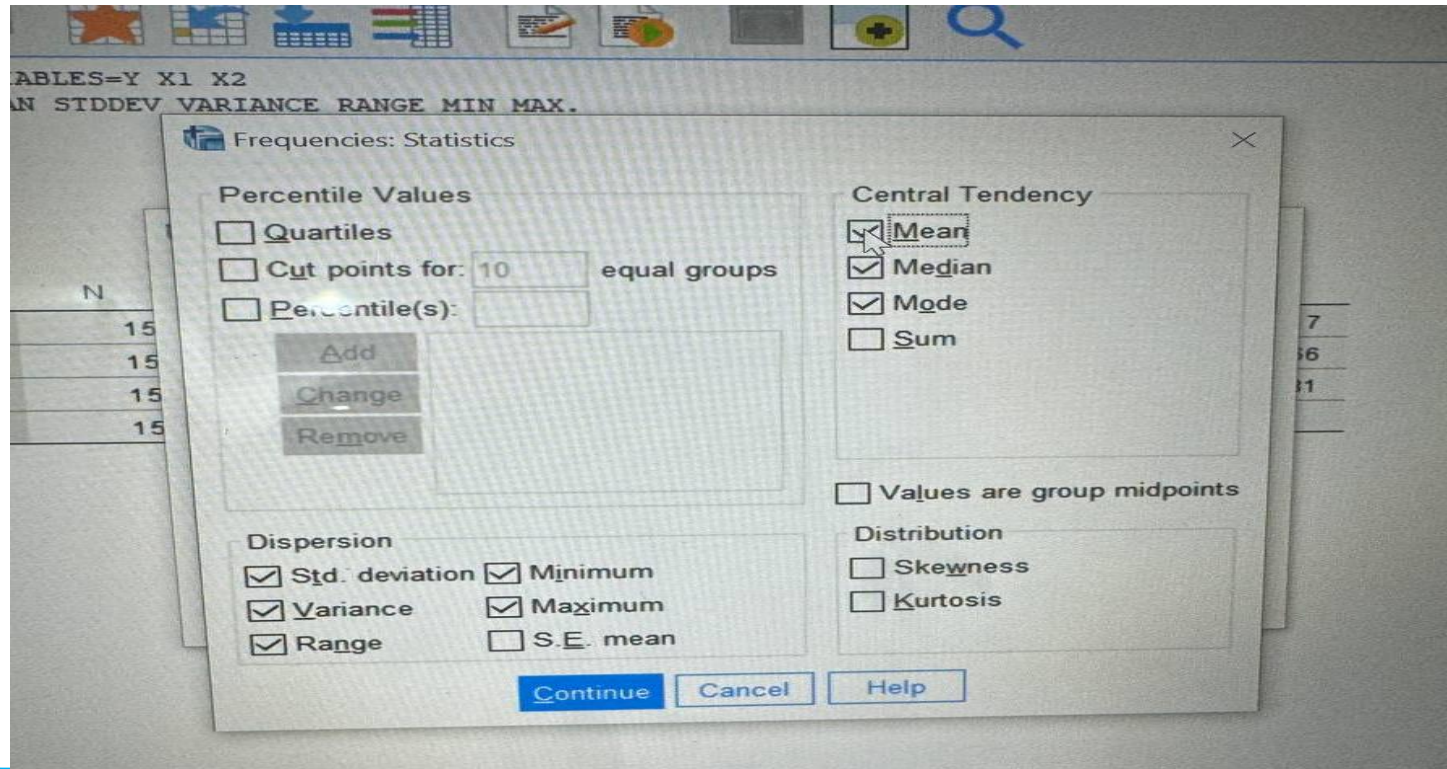


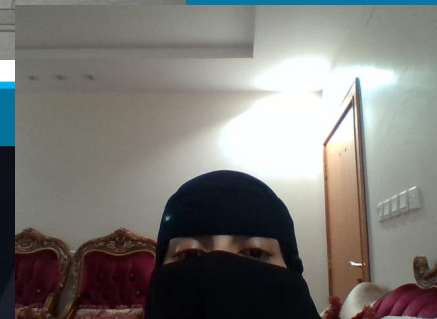
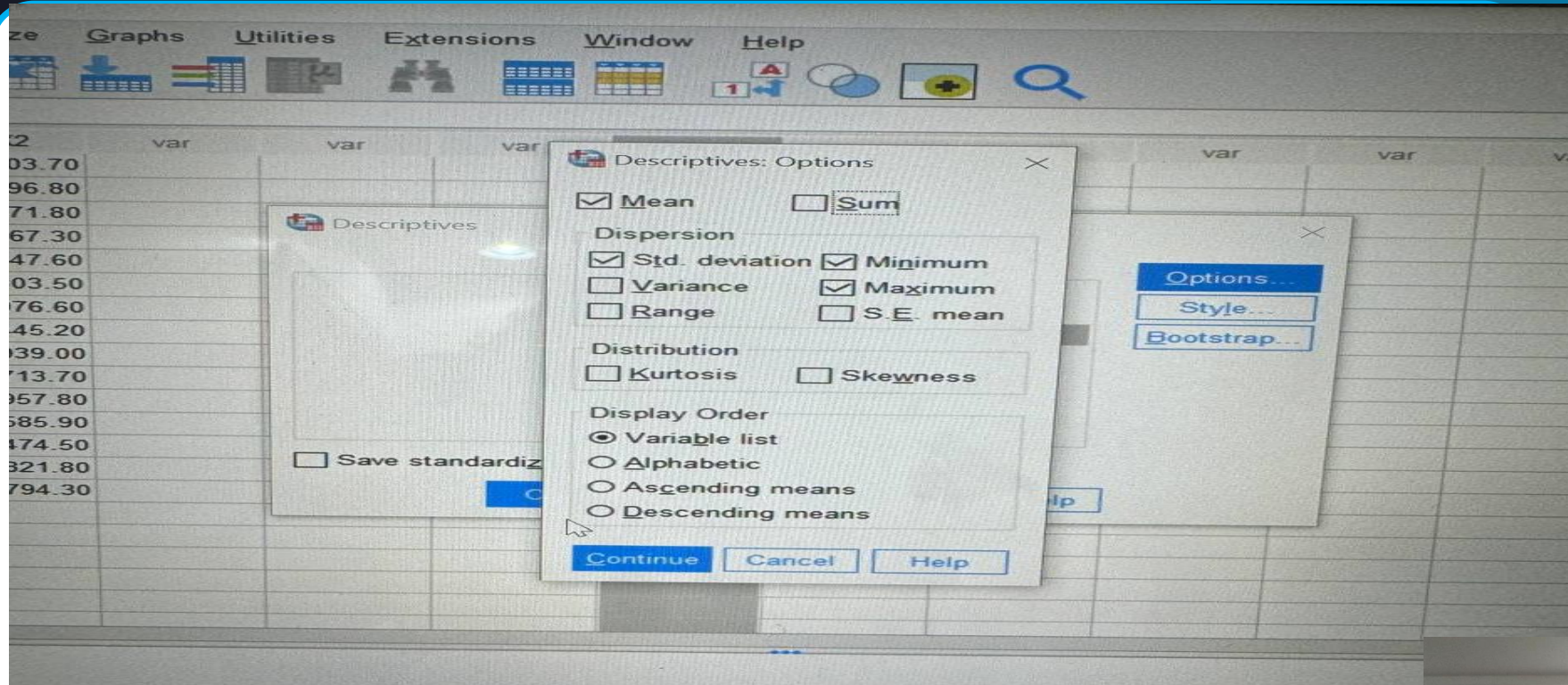
analyze- Descriptive statistics- Frequencies

variable ونحدد المتغير من اليسار الى اليمين و نقله الى مستطيل

ثم نختار ونحدد المقاييس المتوسط والوسيط والمنوال ومقاييس التشتت الانحراف
ok statistics والمدى والتباين ثم نضغط







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Descriptive Statistics

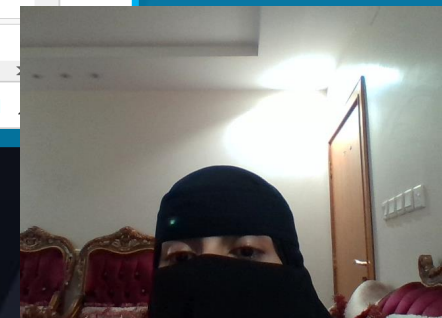
	N	Range	Minimum	Maximum	Mean	Std. Deviation
Y	15	14928.1	16607.7	31535.8	24735.333	4874.1735
X1	15	40.50	267.00	307.50	286.7467	14.49709
X2	15	23990.60	17803.70	41794.30	25506.6333	7335.48150
Valid N (listwise)	15					

Descriptive Statistics

	Variance
Y	23757567.17
X1	210.166
X2	53809288.81
Valid N (listwise)	

Page 1

8.50 x 11.00 in





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 - Title
 - Y
 - X1
 - X2

```

FREQUENCIES VARIABLES=Y X1 X2
  /STATISTICS=STDDEV VARIANCE RANGE MINIMUM MAXIMUM MEAN MEDIAN MODE
  /ORDER=ANALYSIS.

```

→ Frequencies

Statistics

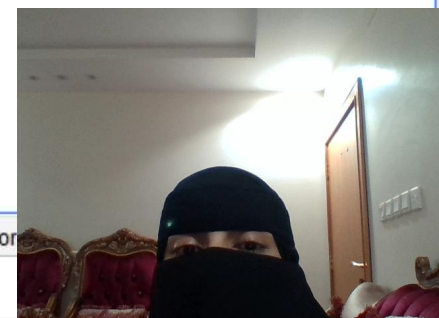
		Y	X1	X2
N	Valid	15	15	15
	Missing	0	0	0
Mean		24735.333	286.7467	25506.6333
Median		26465.800	288.1000	23445.2000
Mode		16607.7 ^a	267.00 ^a	17803.70 ^a
Std. Deviation		4874.1735	14.49709	7335.48150
Variance		23757567.17	210.166	53809288.81
Range		14928.1	40.50	23990.60
Minimum		16607.7	267.00	17803.70
Maximum		31535.8	307.50	41794.30

a. Multiple modes exist. The smallest value is shown

Frequency Table

Y

Cumulative





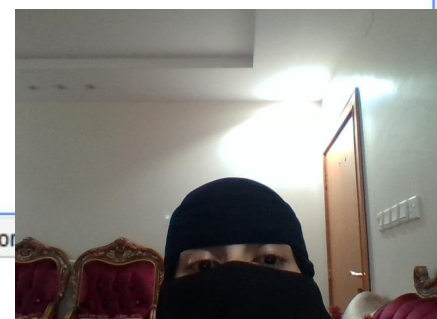
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 - Log
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 - Title
 - Notes
 - Statistics
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 - Title
 - Y
 - X1
 - X2

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
	26465.8	1	6.7	6.7	53.3
	27403.0	1	6.7	6.7	60.0
	27508.2	1	6.7	6.7	66.7
	28628.7	1	6.7	6.7	73.3
	29035.5	1	6.7	6.7	80.0
	29281.5	1	6.7	6.7	86.7
	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
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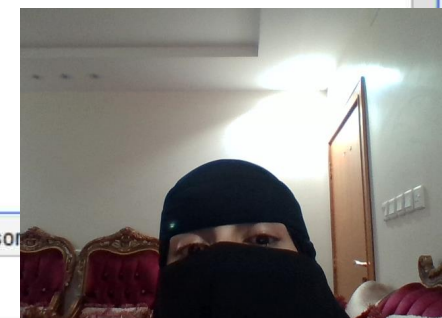




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 - Title
 - Y
 - X1
 - X2

X1					
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	267.00	1	6.7	6.7	6.7
	267.80	1	6.7	6.7	13.3
	269.70	1	6.7	6.7	20.0
	274.40	1	6.7	6.7	26.7
	275.00	1	6.7	6.7	33.3
	275.50	1	6.7	6.7	40.0
	283.00	1	6.7	6.7	46.7
	288.10	1	6.7	6.7	53.3
	289.60	1	6.7	6.7	60.0
	295.50	1	6.7	6.7	66.7
	299.00	1	6.7	6.7	73.3
	300.70	1	6.7	6.7	80.0
	303.70	1	6.7	6.7	86.7
	304.70	1	6.7	6.7	93.3
	307.50	1	6.7	6.7	100.0
Total		15	100.0	100.0	

X2				
		Frequency	Percent	Cumulative Percent



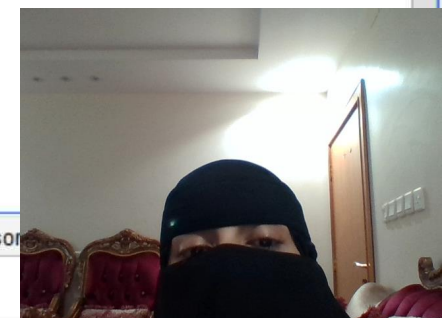


- Output
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 - Frequencies
 - Title
 - Notes
 - Statistics
 - Frequency Table
 - Title
 - Y
 - X1
 - X2

304.70	1	6.7	6.7	93.3
307.50	1	6.7	6.7	100.0
Total	15	100.0	100.0	

X2

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	17803.70	1	6.7	6.7	6.7
	18096.80	1	6.7	6.7	13.3
	18271.80	1	6.7	6.7	20.0
	19167.30	1	6.7	6.7	26.7
	19647.60	1	6.7	6.7	33.3
	20803.50	1	6.7	6.7	40.0
	22076.60	1	6.7	6.7	46.7
	23445.20	1	6.7	6.7	53.3
	24939.00	1	6.7	6.7	60.0
	26713.70	1	6.7	6.7	66.7
	29957.80	1	6.7	6.7	73.3
	31585.90	1	6.7	6.7	80.0
	33474.50	1	6.7	6.7	86.7
	34821.80	1	6.7	6.7	93.3
	41794.30	1	6.7	6.7	100.0
Total		15	100.0	100.0	



Thank You

