

مهارات بحثية ٢ – المهمة ٧ – المعتصم العباس

- عرض الملف مستعرضًا الخطوات العملية وطريقة الحصول على مقاييس النزعة المركزية والتشتت للبيانات التالية لثلاث متغيرات باستخدام البرنامج الإحصائي SPSS

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

الانحراف المعياري

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					

المونال والنسبة التراكمية

Statistics				
	y	x1	x2	
N	Valid	15	15	15
	Missing	0	0	0
Std. Error of Mean	1258.5062	3.8230	1894.0132	
Std. Deviation	4874.1735	14.8066	7335.4815	
Variance	23757567.170	219.234	53809288.812	
Range	14928.1	40.5	23990.6	
Minimum	16607.7	267.0	17803.7	
Maximum	31535.8	307.5	41794.3	

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
Valid	267.0	1	6.7	6.7	6.7
	267.8	1	6.7	6.7	13.3
	269.7	1	6.7	6.7	20.0
	274.4	1	6.7	6.7	26.7
	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	6.7
	18096.8	1	6.7	6.7	13.3
	18271.8	1	6.7	6.7	20.0
	19167.3	1	6.7	6.7	26.7
	19647.6	1	6.7	6.7	33.3
	20803.5	1	6.7	6.7	40.0
	22076.6	1	6.7	6.7	46.7
	23445.2	1	6.7	6.7	53.3
	24939.0	1	6.7	6.7	60.0
	26713.7	1	6.7	6.7	66.7
	29957.8	1	6.7	6.7	73.3
	31585.9	1	6.7	6.7	80.0
	33474.5	1	6.7	6.7	86.7
	34821.8	1	6.7	6.7	93.3
	41794.3	1	6.7	6.7	100.0
	Total	15	100.0	100.0	