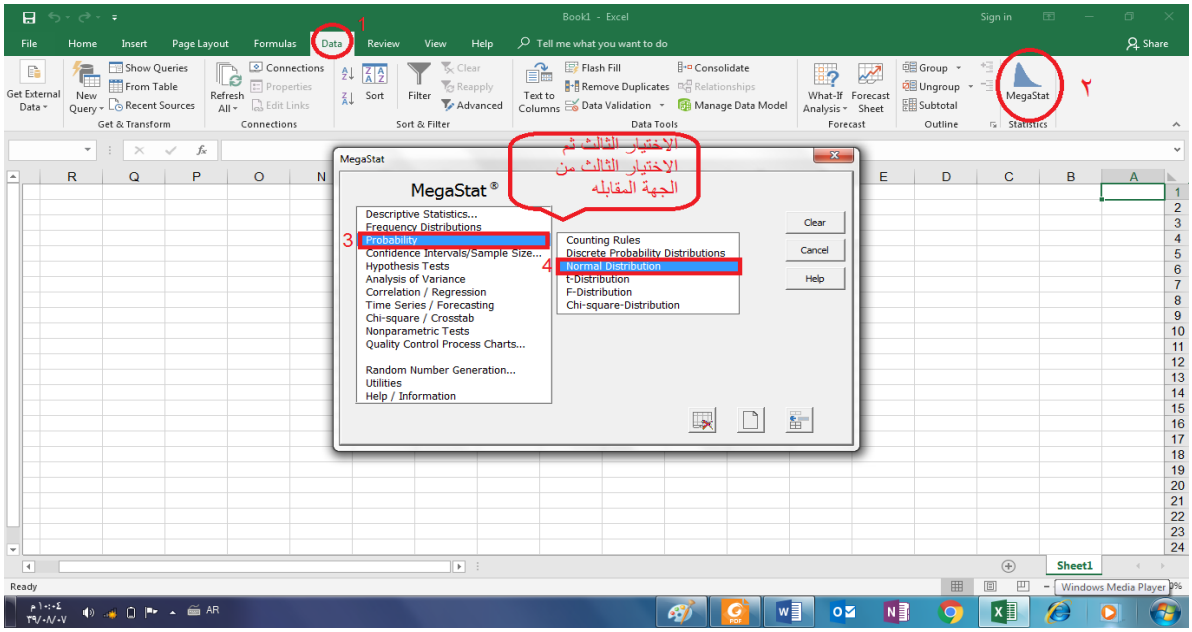
Part1

طريقة شرح Excel MegaStat Chapter(6)

شرح تفصيلي

اولاً

افتح برنامج MegaStat



بعض الكلمات التي تدل على الاختيار المناسب

1

Between

نكشف عن الرقم الأكبر أولا

الأصغر ثانيا

ثم طرح النتائج

2

Morethan
Or
Right
Or
About
Or
At least

3

Less than
Or
Left
or
below
or
at most

مثلاً المستطيل الأول والثالث الاختيار يكون " lower" والمستطيل الثاني الاختيار يكون upper

1

Between

نكشف عن الرقم الأكبر أولا

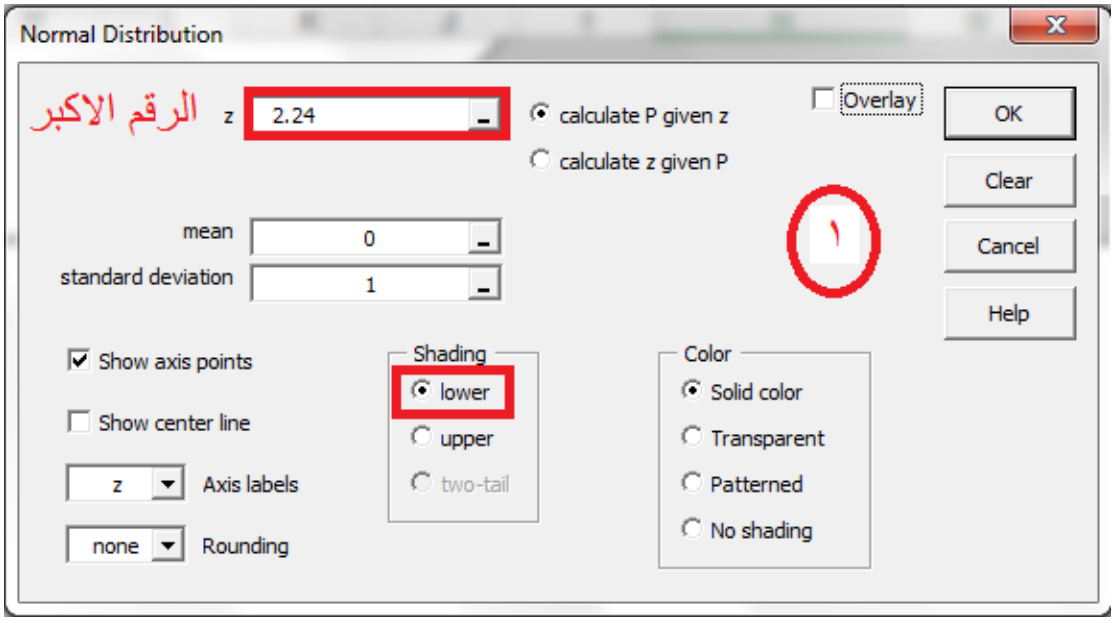
الأصغر ثانيا

ثم طرح النتائج

Ex

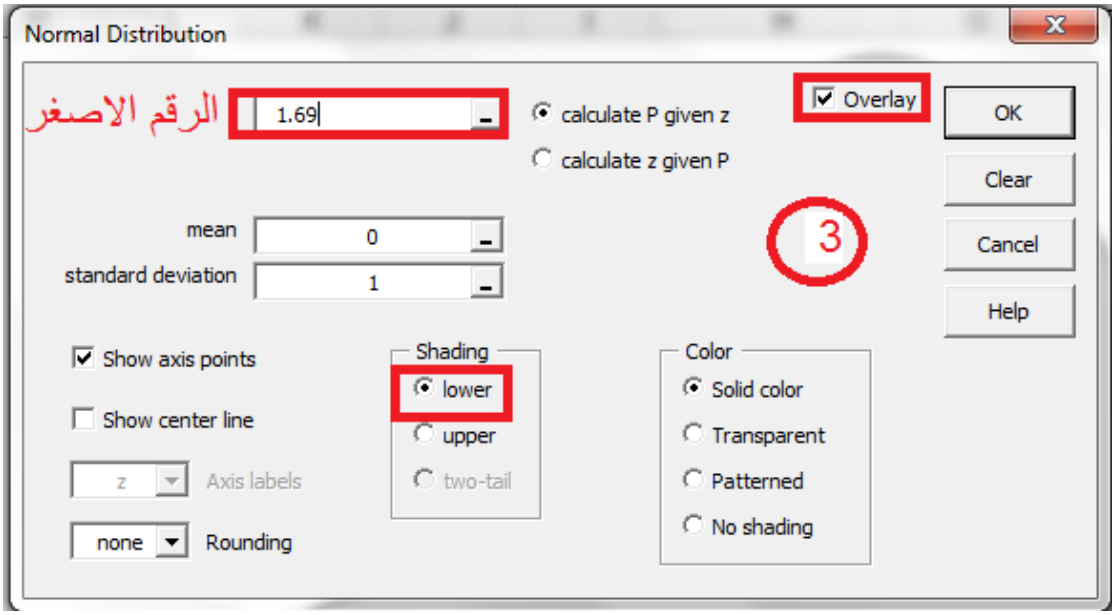
Find the area under the standard normal distribution curve between z=1.69 and z=2.24

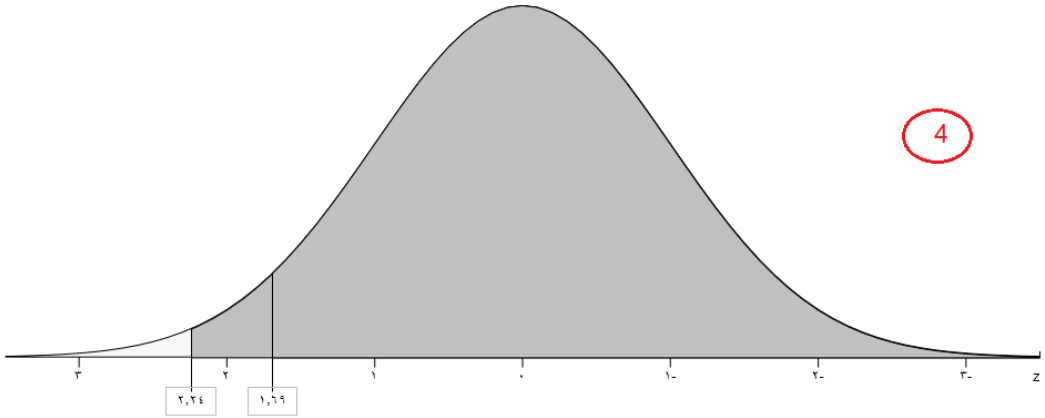
solution



Normal

z	P(upper)	P(lower)
2.24	.0125	**.9875**





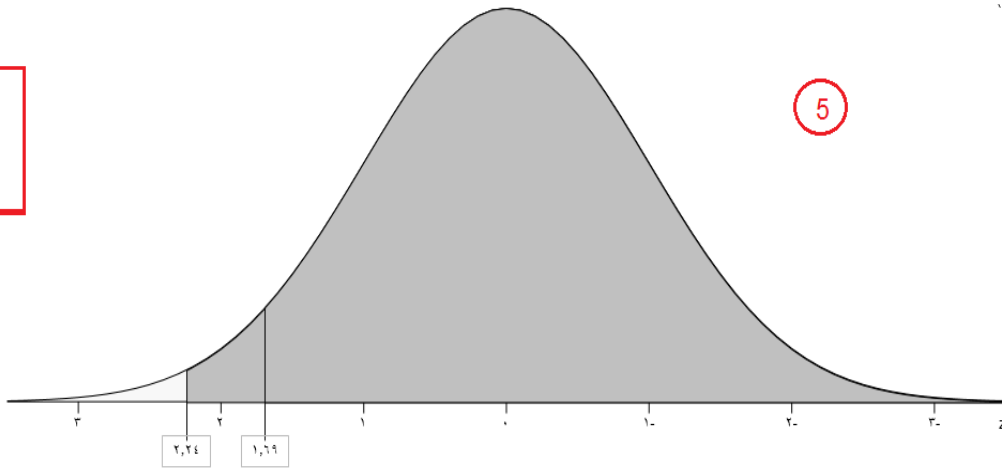
4

Norma

	z	P(upper)	P(lower)
ناتج الرقم الاكبر	2.24	.0125	.9875
ناتج الرقم الاصغر	1.69	.0455	.9545

الشكل النهائي
بعد عملية الطرح

=C59-C60
0.0329685158856032



5

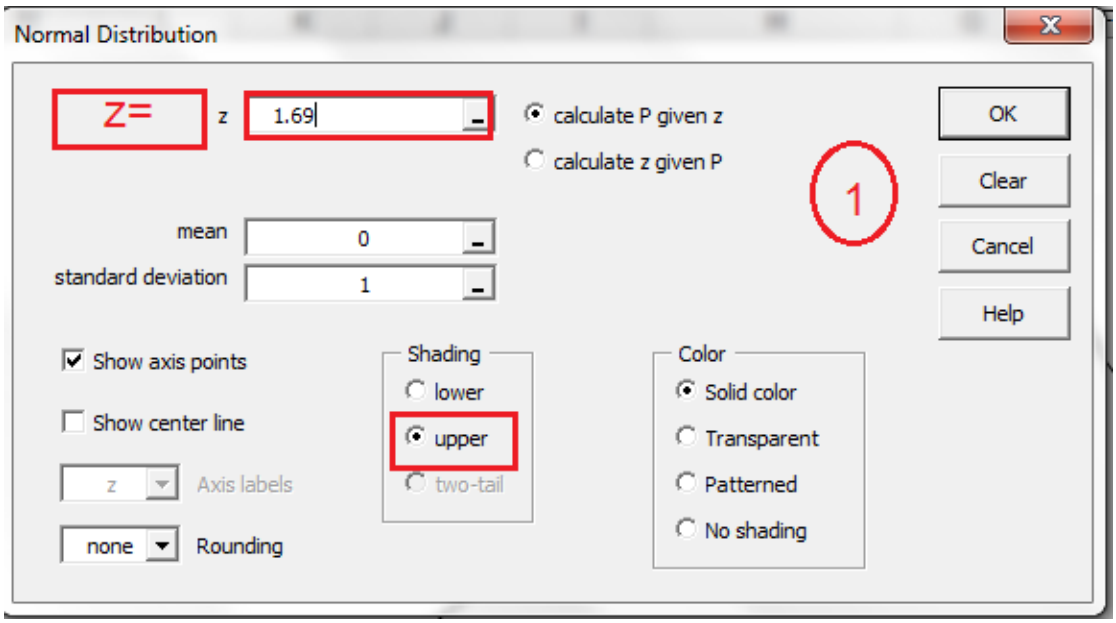
Non

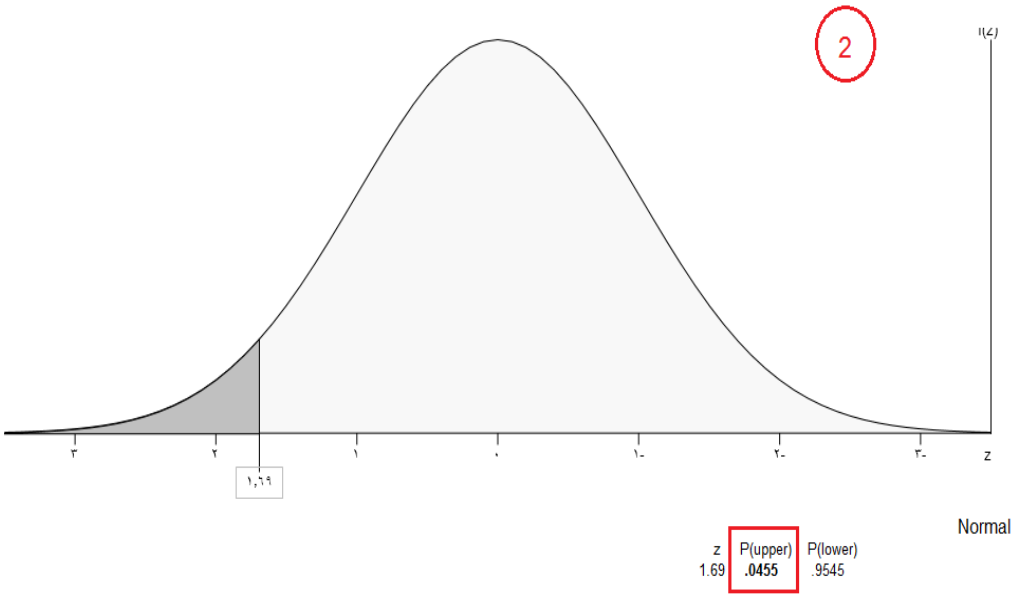
z	P(upper)	P(lower)
2.24	.0125	.9875
1.69	.0455	.9545

EX

Find the area under the standard normal distribution curve right of z=1.69

solution





الجواب:0.0455

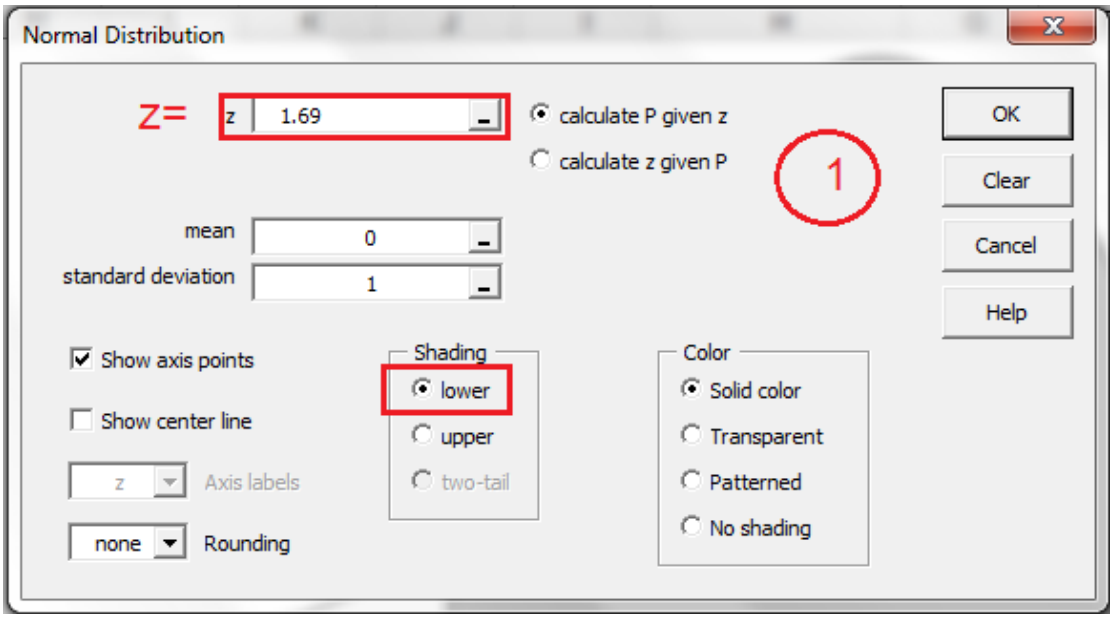
3

Less than
Or
Left
or
below
or
at most

EX

Find the area under the standard normal distribution curve left of z=1.69

solution



Normal

z	P(upper)	P(lower)
1.69	.0455	**.9545**

الجواب :0.9545

Part2

اما في حال وجود mean,standard devation في السؤال مثلاً
لشخص (individual)واحد فقط

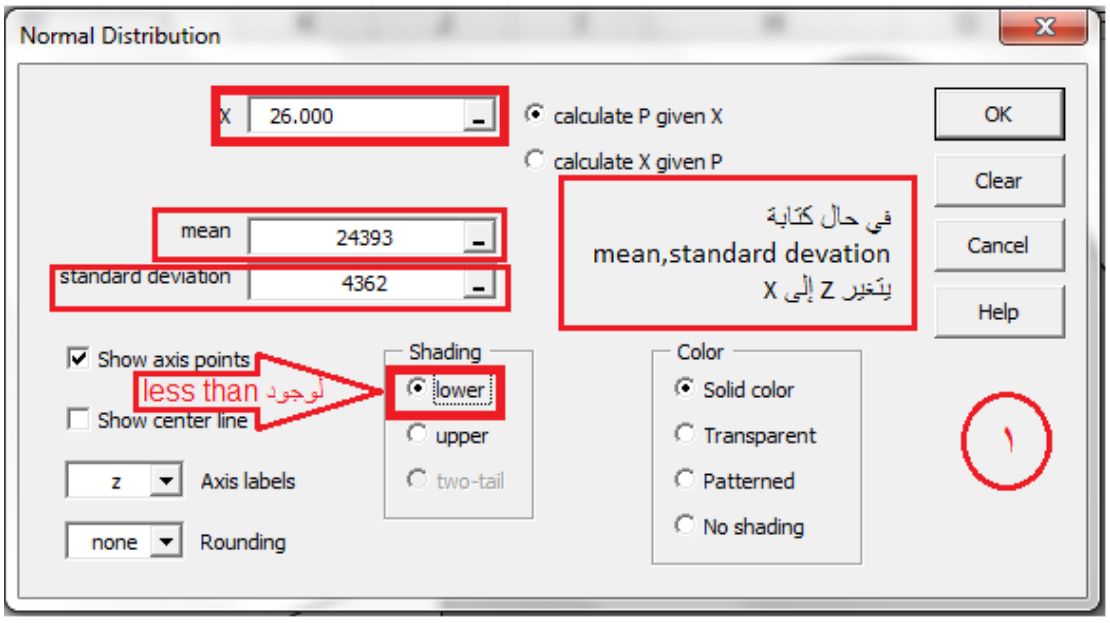
Ex

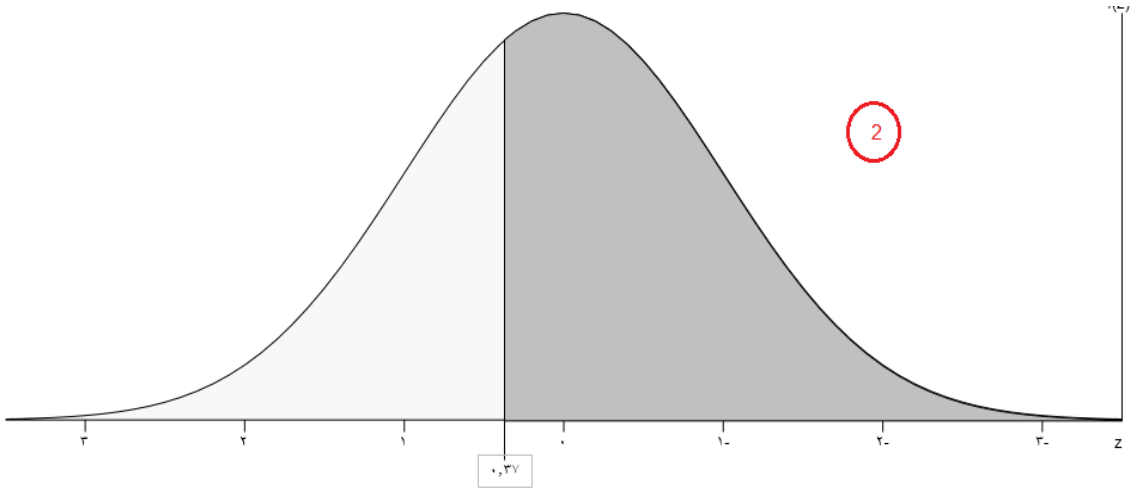
The average annual salary in Pennsylvania was $24.393 in1992 assume that salaries were normally distributed and the standard devation of this group was $4362

Find the probability that a randomly selected individual earned less than $26.000

solution

μ=24393 δ=4362 ×=26.000





Normal

std.dev	mean	X	z	P(upper)	P(lower)
4,362	24,393	26,000	0.37	.3563	**.6437**

الجواب 0.6437

اما في حال وجود mean,standard devation في السؤال مثلاً
25(individuals) يتم التغير فقط في(standard devation)

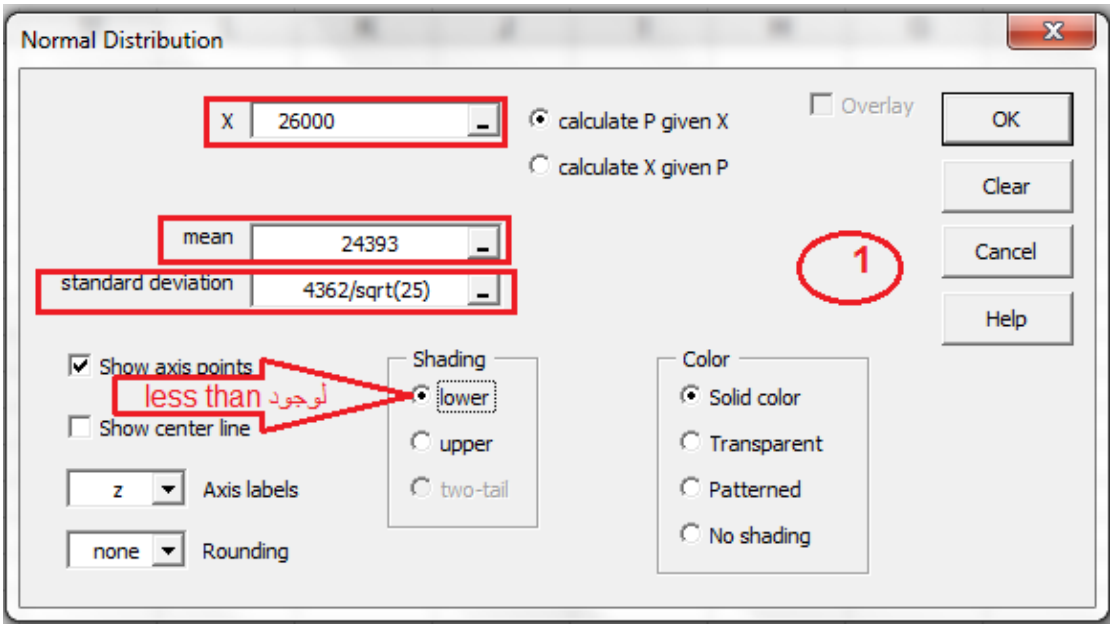
EX

The average annual salary in Pennsylvania was $24.393 in1992 assume that salaries were normally distributed and the standard devation of this group was $4362

Find the probability that,for a randomly selected sample of 25individuals,the mean salary was less than $26.000

solution

μ=24393 n=25 δ=4362 ×=26.000



Norma

std.dev	mean	X	z	P(upper)	P(lower)
872	24,393	26,000	1.84	.0327	**.9673**

الجواب 0.9673

هذا كل مايتعلق chapter(6) من Excel MegaStat

وأدعواالله أن يتقبل هذا العمل

ويكون فيه النفع للجميع

وأخيراً

لجميع طلاب السنة التحضيرية

لكم مني دعوة صادقه بالتوفيق والسداد

في كل الاختبارات

مع خالص احترامي وتقديري

السجمال عدي