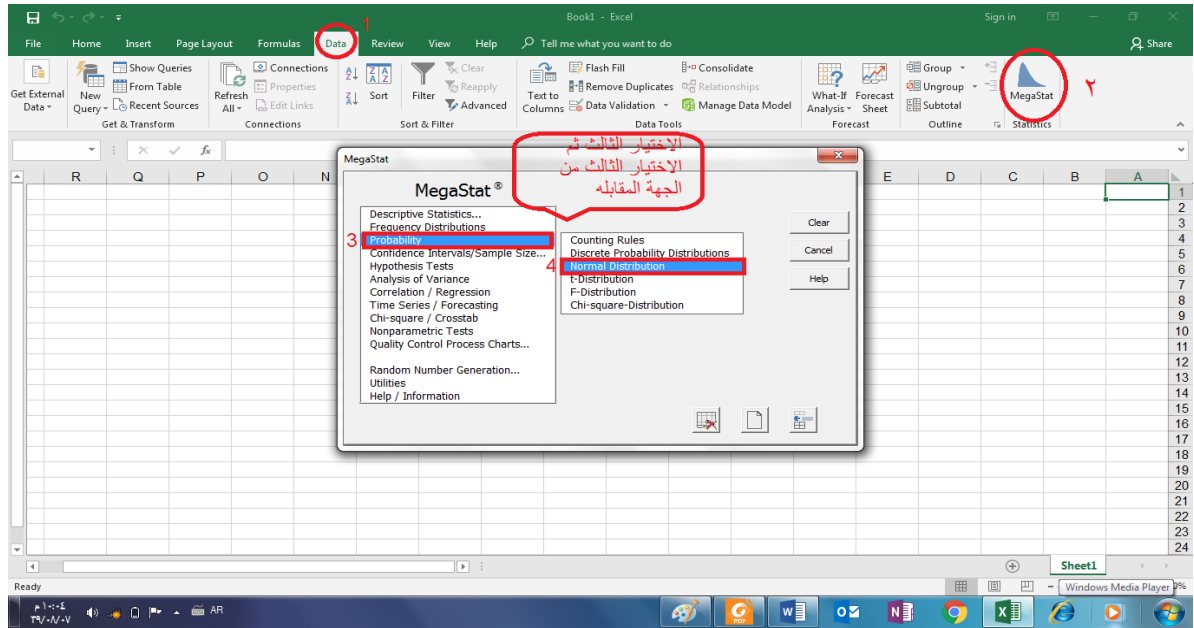


طريقة شرح (6) Chapter Excel MegaStat

شرح تفصيلي

أولاً

افتح برنامج MegaStat



بعض الكلمات التي تدل على الاختيار المناسب

3	2	1
<p>Less than Or Left or below or at most</p>	<p>Morethan Or Right Or About Or At least</p>	<p>Between نكشف عن الرقم الأكبر أولاً الأصغر ثانياً ثم طرح النتائج</p>

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

Between

نكشف عن الرقم
الأكبر أولاً

الأصغر ثانياً

ثم طرح النتائج

Ex

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

solution

Normal Distribution

الرقم الأكبر z 2.24

calculate P given z

calculate z given P

Overlay

mean 0

standard deviation 1

Show axis points

Show center line

z Axis labels

none Rounding

Shading

lower

upper

two-tail

Color

Solid color

Transparent

Patterned

No shading

OK

Clear

Cancel

Help



Normal Distribution

الرقم الاصغر calculate P given z Overlay
 calculate z given P

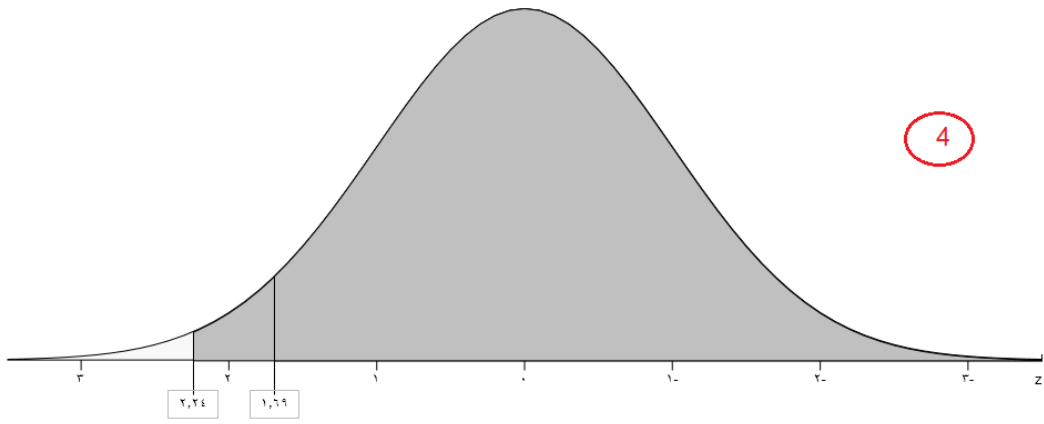
mean
 standard deviation

Show axis points Show center line

Axis labels
 Rounding

Shading
 lower upper two-tail

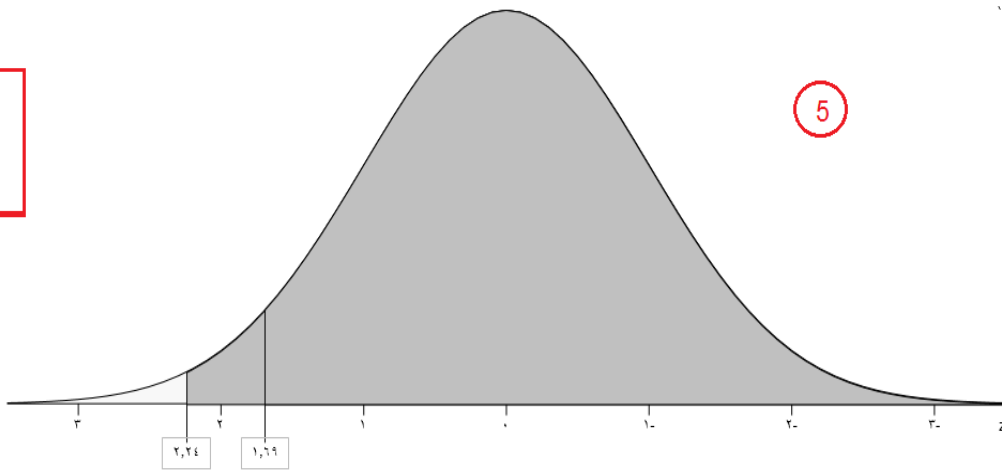
Color
 Solid color Transparent Patterned No shading



z	P(upper)	P(lower)
نتيجة الرقم الأكبر 2.24	.0125	.9875
نتيجة الرقم الأصغر 1.69	.0455	.9545

Norma

الشكل النهائي
بعد عملية الطرح
=C59-C60
0.0329685158856032



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

Non

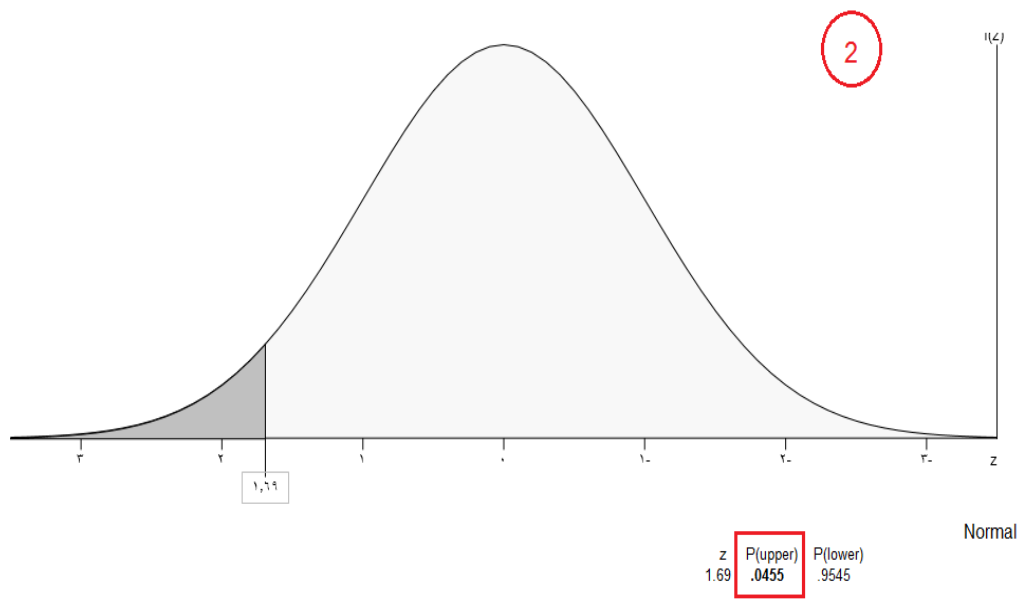
2
Morethan
Or
Right
Or
About
Or
At least

EX

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

solution





الجواب: 0.0455

Less than
Or
Left
or
below
or
at most

3

EX

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

solution

Normal Distribution

Z= z 1.69

calculate P given z
 calculate z given P

mean 0
standard deviation 1

Show axis points
 Show center line

z Axis labels
none Rounding

Shading
 lower
 upper
 two-tail

Color
 Solid color
 Transparent
 Patterned
 No shading

OK
Clear
Cancel
Help

1



الجواب: 0.9545

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

Ex

The average annual salary in Pennsylvania was \$24.393 in 1992 assume that salaries were normally distributed and the standard deviation of this group was \$4362

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

solution

$$\mu=24393$$

$$\delta=4362$$

$$x=26.000$$

Normal Distribution

X: 26.000

mean: 24393

standard deviation: 4362

calculate P given X (selected)

calculate X given P

في حال كتابة mean,standard deviation يتغير Z إلى X

Show axis points (checked)

Show center line (unchecked)

z: [dropdown]

Axis labels: [dropdown]

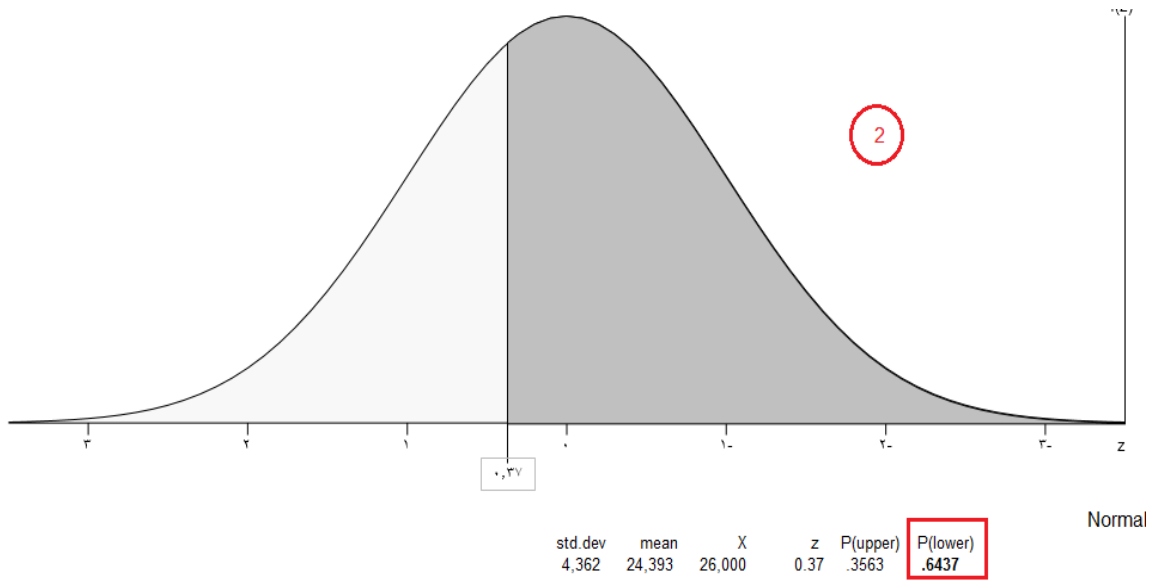
Rounding: none

Shading: lower (selected), upper, two-tail

Color: Solid color (selected), Transparent, Patterned, No shading

OK, Clear, Cancel, Help

1



الجواب 0.6437

اما في حال وجود mean, standard deviation في السؤال مثلاً
25 (individuals) يتم التغيير فقط في (standard deviation)

EX

The average annual salary in Pennsylvania was \$24.393 in 1992 assume that salaries were normally distributed and the standard deviation of this group was \$4362

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

solution

$$\mu = 24393$$

$$n = 25$$

$$\delta = 4362$$

$$x = 26.000$$

Normal Distribution

X: 26000

mean: 24393

standard deviation: 4362/sqrt(25)

calculate P given X

calculate X given P

Overlay

OK

Clear

Cancel

Help

Show axis points

Show center line

z: [dropdown]

Axis labels: [dropdown]

Rounding: none

Shading:

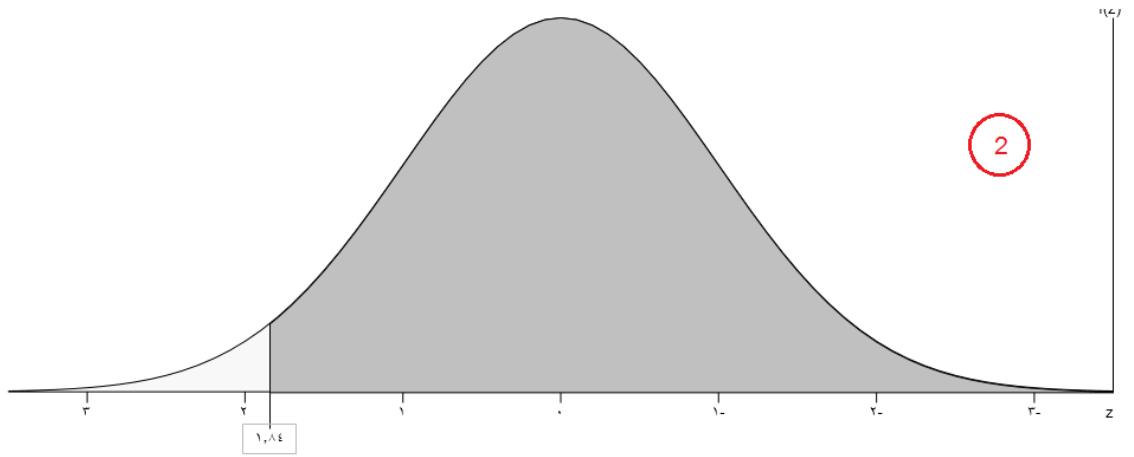
- lower
- upper
- two-tail

Color:

- Solid color
- Transparent
- Patterned
- No shading

less than لوجود

1



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

Norme

الجواب 0.9673

هذا كل مايتعلق (6)chapter من Excel MegaStat

وأدعو الله 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

السجـالـعـدي

