

How to Use Normal Calculator

Mean: 3, Standard Deviation: 2

Try to Find $P(X \geq 2)$

STEP 1. SELECT STAT → CALCULATOR → NORMAL

The screenshot shows the StatCrunch web application interface. At the top, there are tabs for 'StatCrunch', 'Data', 'Stat', 'Graphics', and 'Help'. The 'Stat' tab is selected. Below the tabs is a grid with columns labeled 'var1' through 'var13' and rows numbered 1 to 23. A dropdown menu is open under the 'Stat' tab, listing various statistical functions: Summary Stats, Tables, Z statistics, Proportions, T statistics, Variance, Regression, ANOVA, Nonparametrics, Goodness-of-fit, Control Charts, and Calculators. The 'Calculators' option is highlighted, and a sub-menu is open below it, listing distribution types: Beta, Binomial, Cauchy, Chi-Square, Exponential, F, Gamma, Normal (highlighted), Poisson, T, and Weibull. At the bottom left, there is a link to 'Download Java' and a copyright notice. At the bottom right, there is a disclaimer from Integrated Analytics LLC.

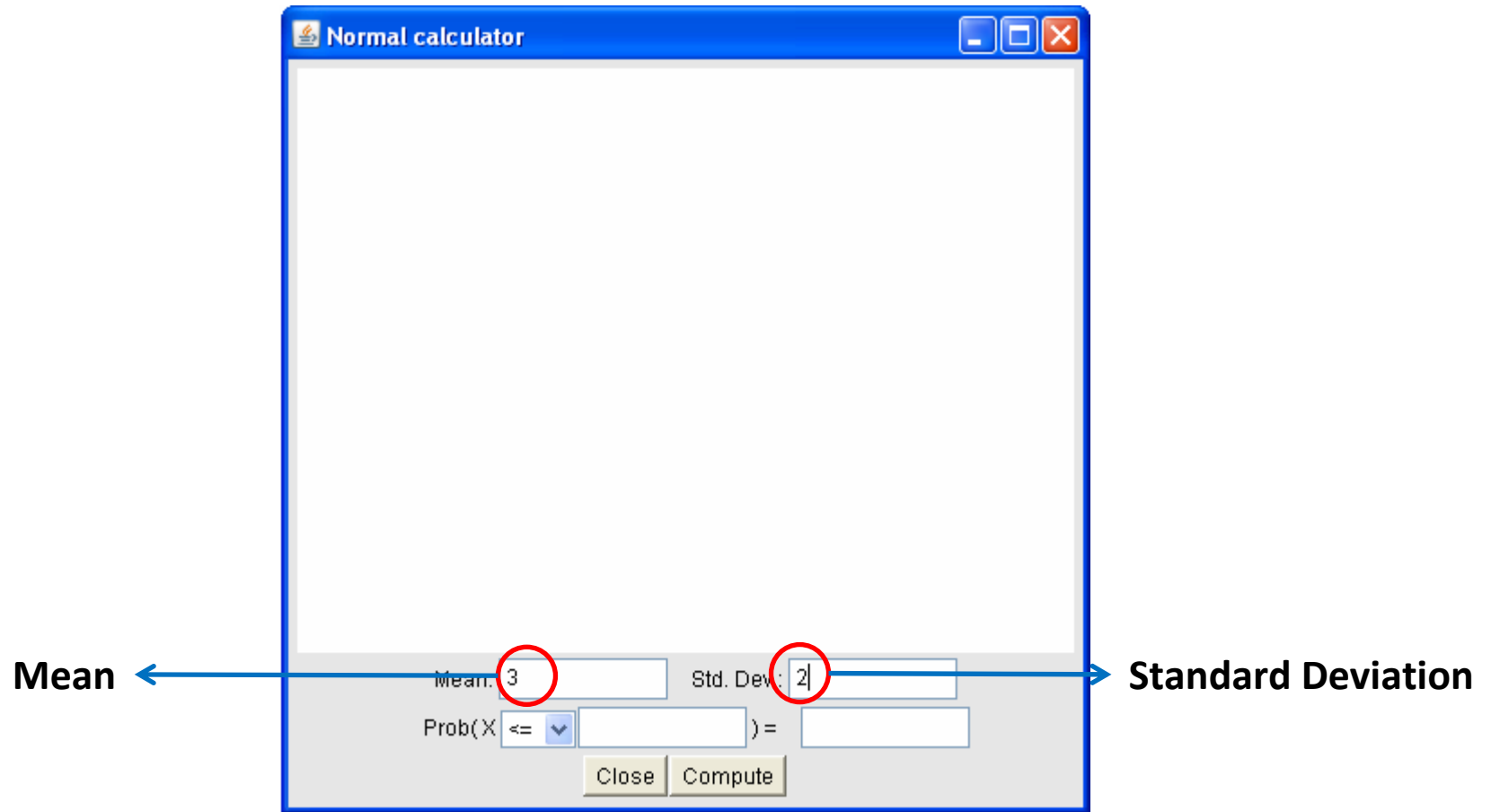
StatCrunch Data Stat Graphics Help Untitled

Row	var1	var4	var5	var6	var7	var8	var9	var10	var11	var12	var13
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
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23											

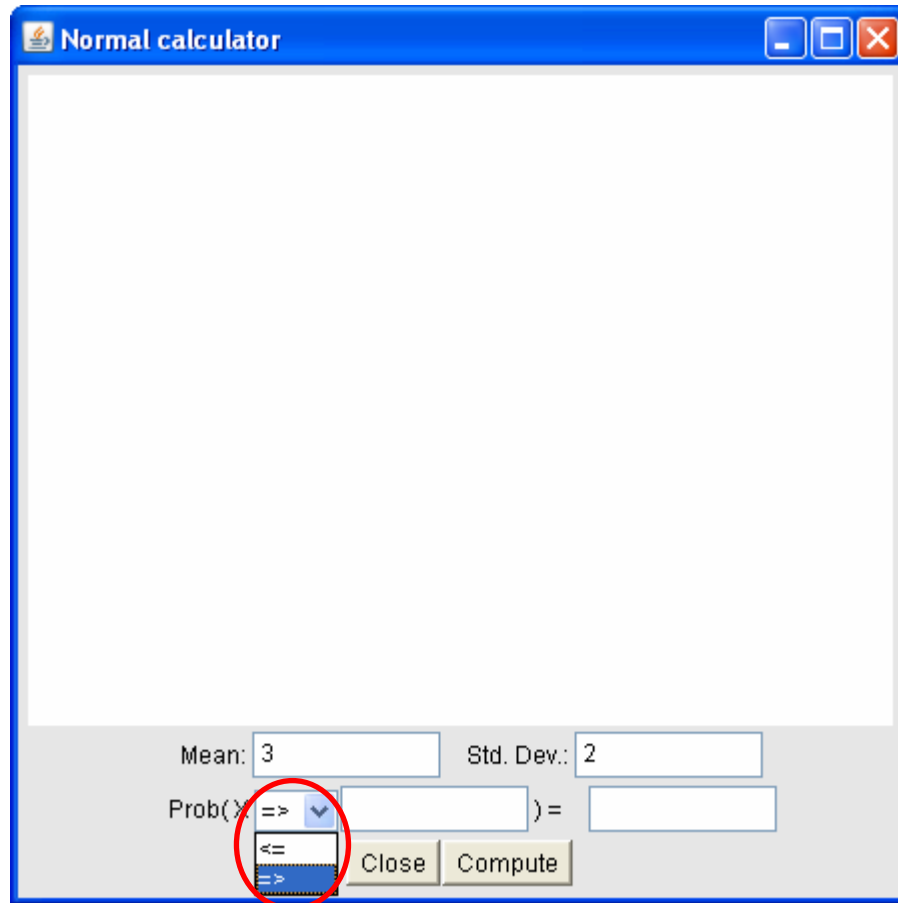
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STEP 2. PLUG-IN MEAN and Standard Deviation



STEP 3. CHANGE SIGN ← Try to find $P(X \geq 2)$



Change Sign

STEP 4. PLUG-IN 2 in Red Circle

The image shows a window titled "Normal calculator" with a blue title bar and standard window controls. The main area is empty. At the bottom, there is a grey panel with input fields and buttons. The "Mean:" field contains the value "3". The "Std. Dev.:" field contains the value "2". Below these, the text "Prob(X => " is followed by a dropdown menu showing "2", which is circled in red. To the right of the dropdown is an empty field for the result, followed by a closing parenthesis "=". At the bottom of the panel are two buttons: "Close" and "Compute".

Mean: 3 Std. Dev.: 2

Prob(X => 2) =

Close Compute

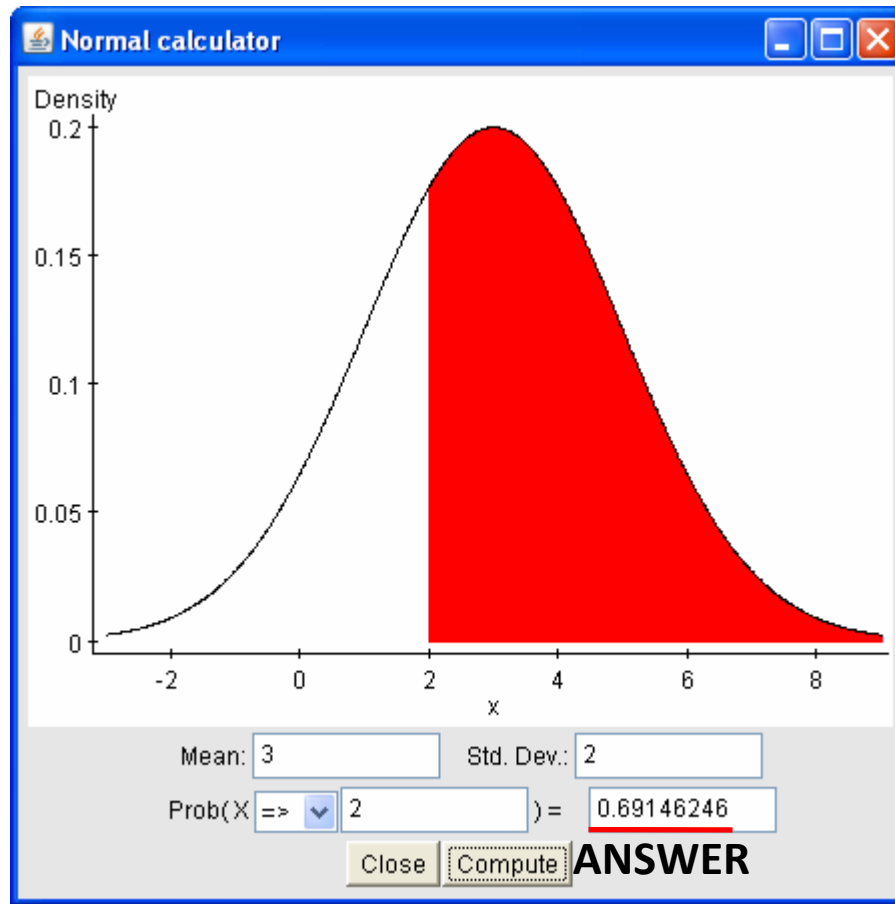
STEP 5. PRESS “COMPUTE”

The image shows a software window titled "Normal calculator". At the bottom of the window, there are input fields and buttons. The "Mean:" field contains the number "3". The "Std. Dev.:" field contains the number "2". Below these, the text "Prob(X => 2)" is displayed, with a dropdown arrow next to the "=>" symbol and a text box containing "2". To the right of this is an empty output field followed by an equals sign. At the bottom center, there are two buttons: "Close" and "Compute". The "Compute" button is circled in red.

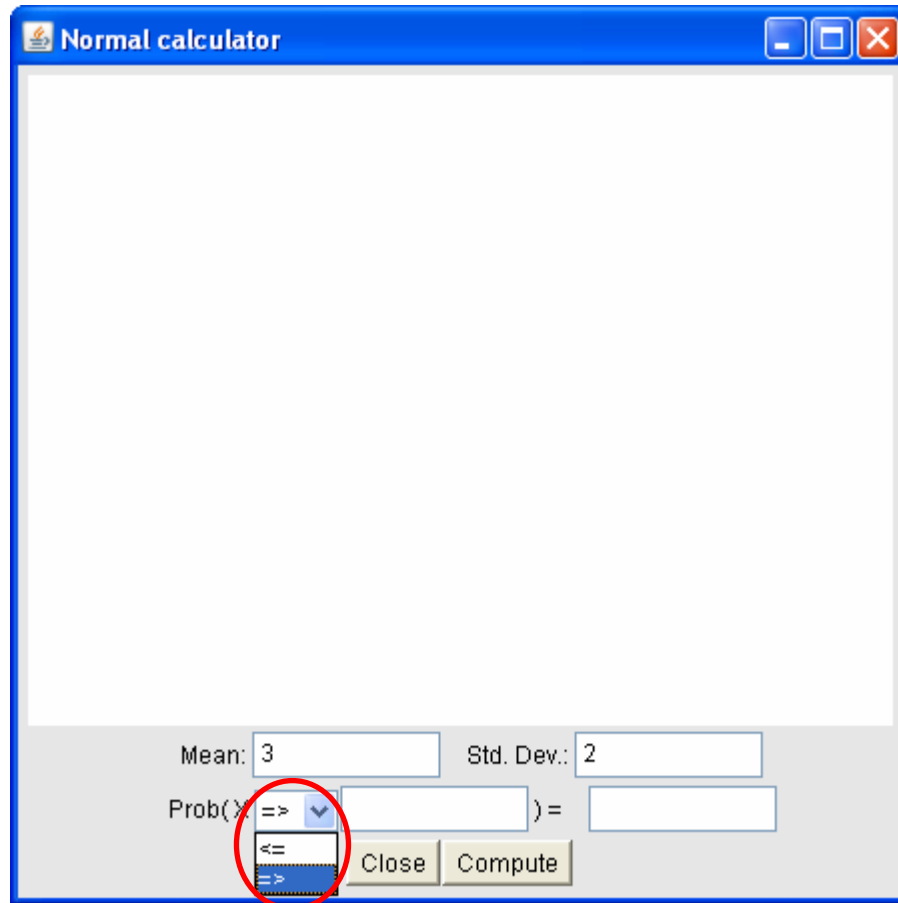
Mean: Std. Dev.:

Prob(X =>) =

STEP 6. GET YOUR ANSWER



By Changing the Sign, You Can Also Get $P(X \leq 2)$, $P(X \geq 2)$.



Change Sign