

How to use the chi-square calculator

Degree of Freedom: 3

Try to Find c which make

$P(X \leq c) = .025$ and $P(X \geq c) = .025$

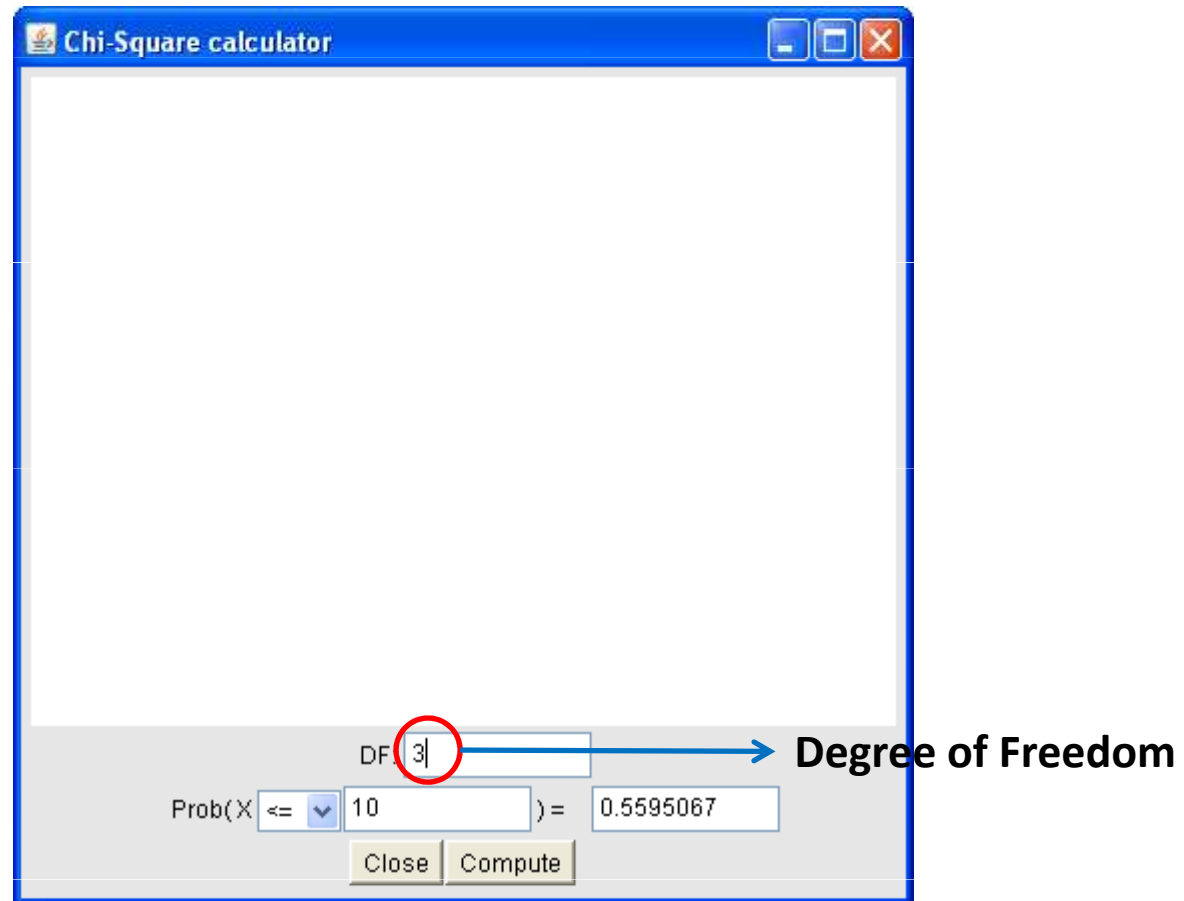
STEP 1. SELECT STAT → CALCULATOR → CHI-SQUARE

The screenshot shows the StatCrunch web application interface. At the top, there are navigation tabs: StatCrunch, Data, Stat, Graphics, and Help. The main area is a grid with columns labeled var1 through var13 and rows numbered 1 through 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 selected, opening a secondary dropdown menu with the following options: Beta, Binomial, Cauchy, Chi-Square (highlighted in blue), Exponential, F, Gamma, Normal, Poisson, T, and Weibull.

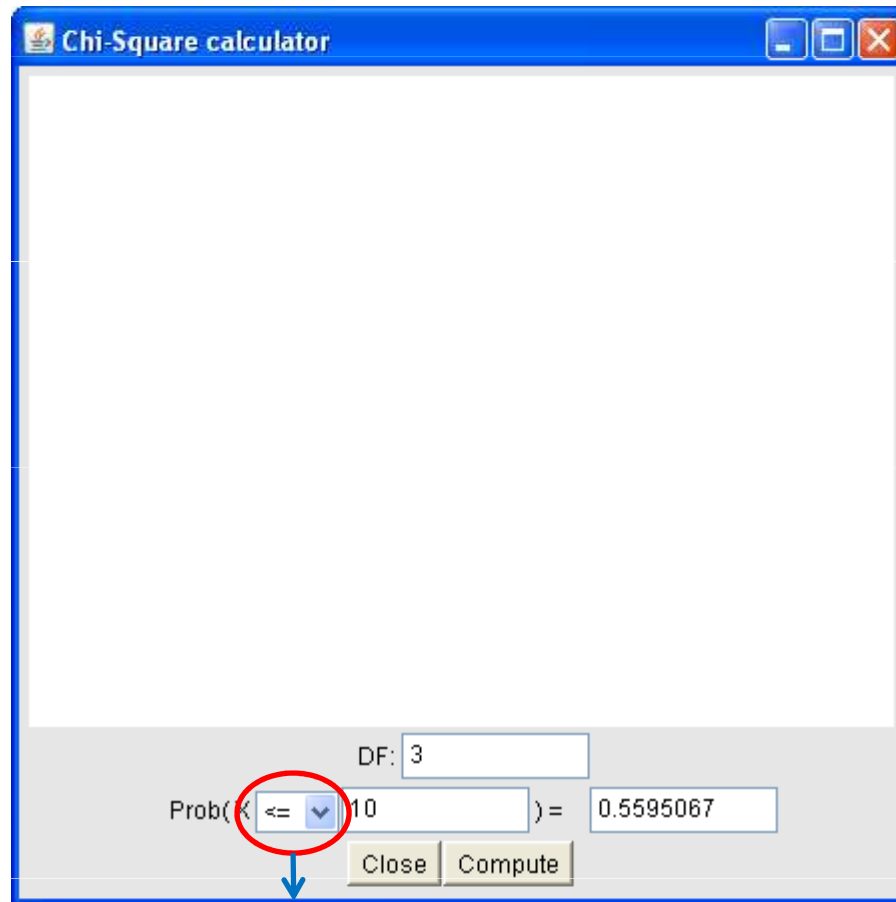
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STEP 2. PLUG-IN Degree of Freedom

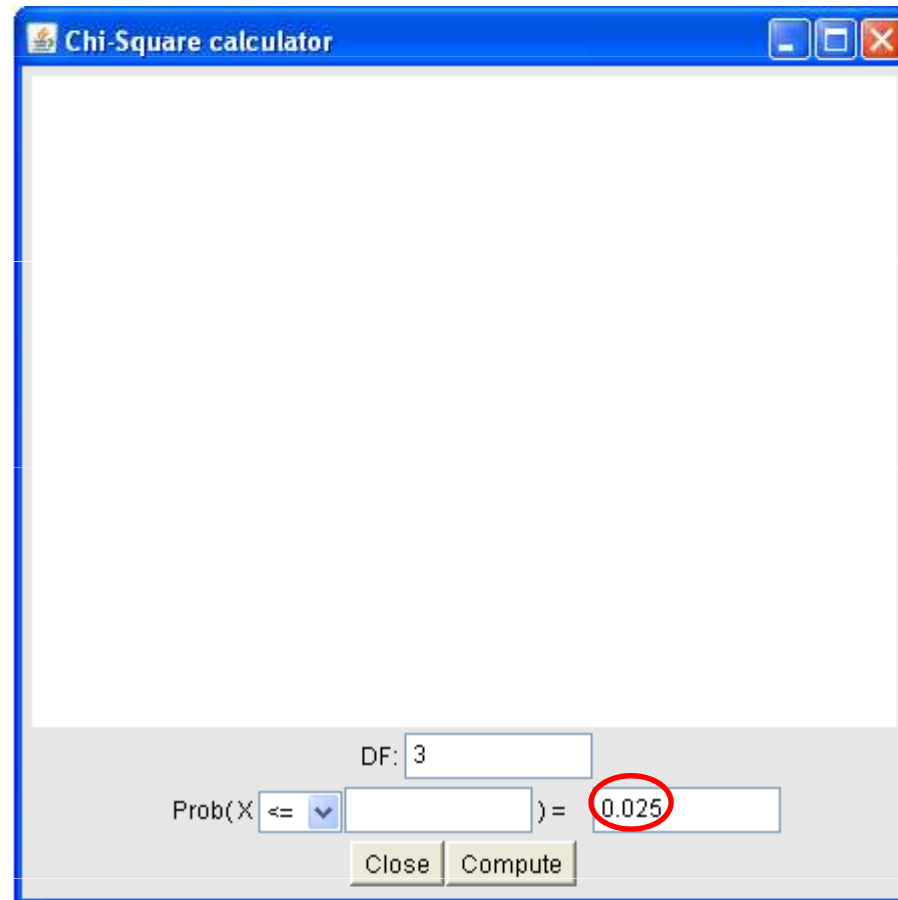


STEP 3. CHANGE SIGN ← Try to $P(X \leq c) = .025$



Change Sign

STEP 4. PLUG-IN .025 in Red Circle



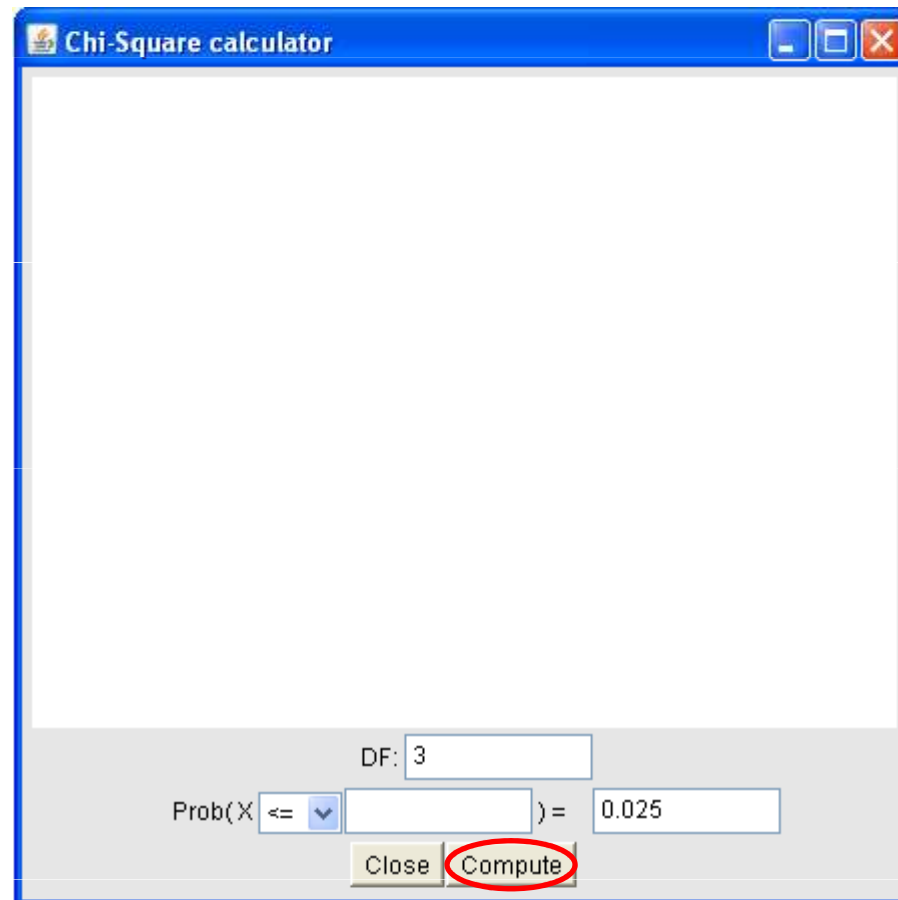
The image shows a window titled "Chi-Square calculator" with a blue border and standard window controls. The main area is empty. At the bottom, there is a grey panel with input fields and buttons. The "DF:" field contains the number "3". The "Prob(X <=)" field contains a red circle around the value "0.025". Below these fields are "Close" and "Compute" buttons.

DF: 3

Prob(X <=) = 0.025

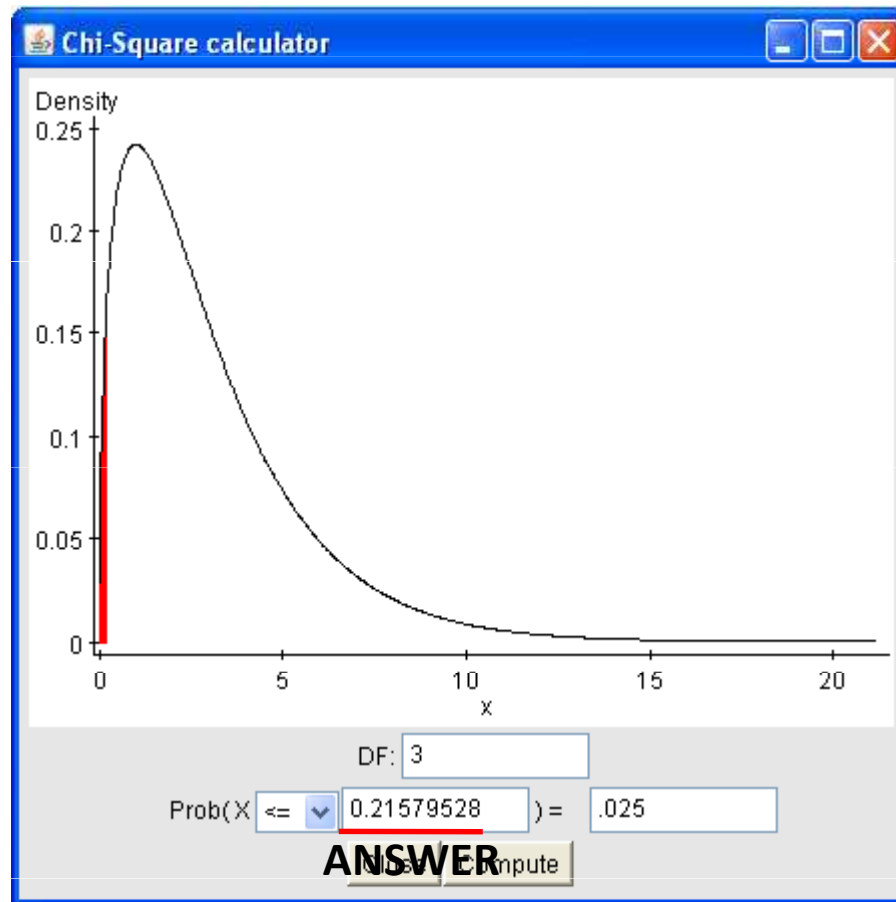
Close Compute

STEP 5. PRESS “COMPUTE”

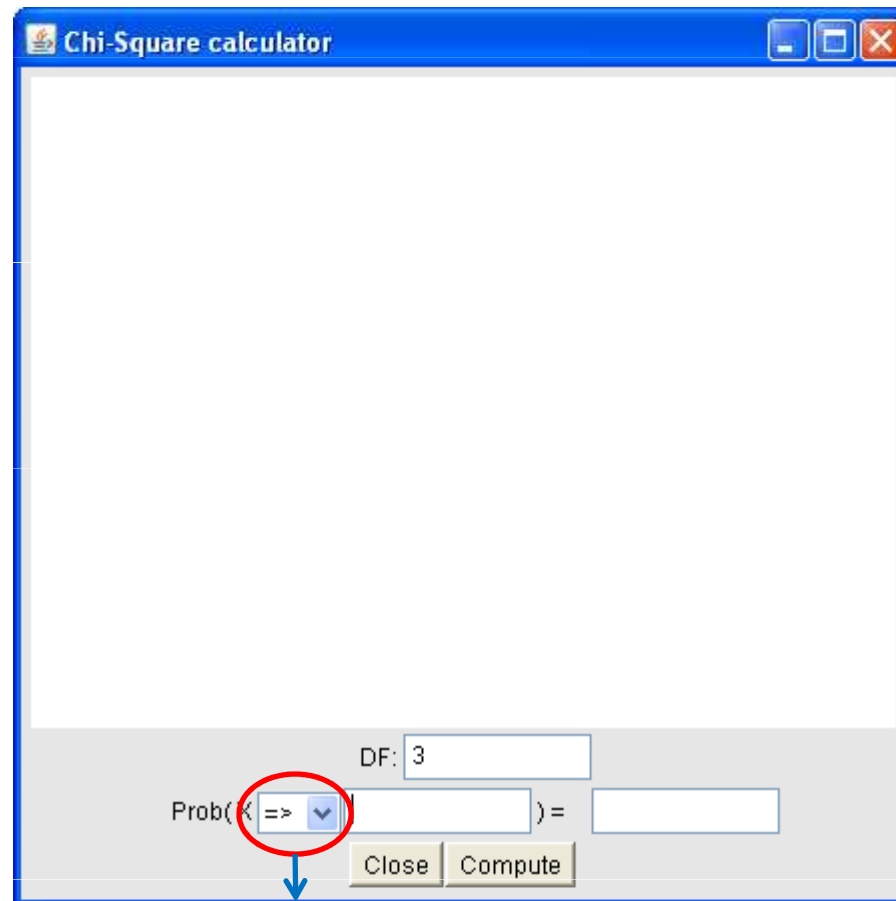


The image shows a window titled "Chi-Square calculator" with a blue border and standard window controls. The main area is empty. At the bottom, there is a grey panel containing input fields and buttons. The text "DF: 3" is displayed above a text box. Below it, the text "Prob(X <= []) = 0.025" is shown, with a dropdown arrow next to the first empty box. At the bottom of this panel are two buttons: "Close" and "Compute". The "Compute" button is circled in red.

STEP 6. GET YOUR ANSWER

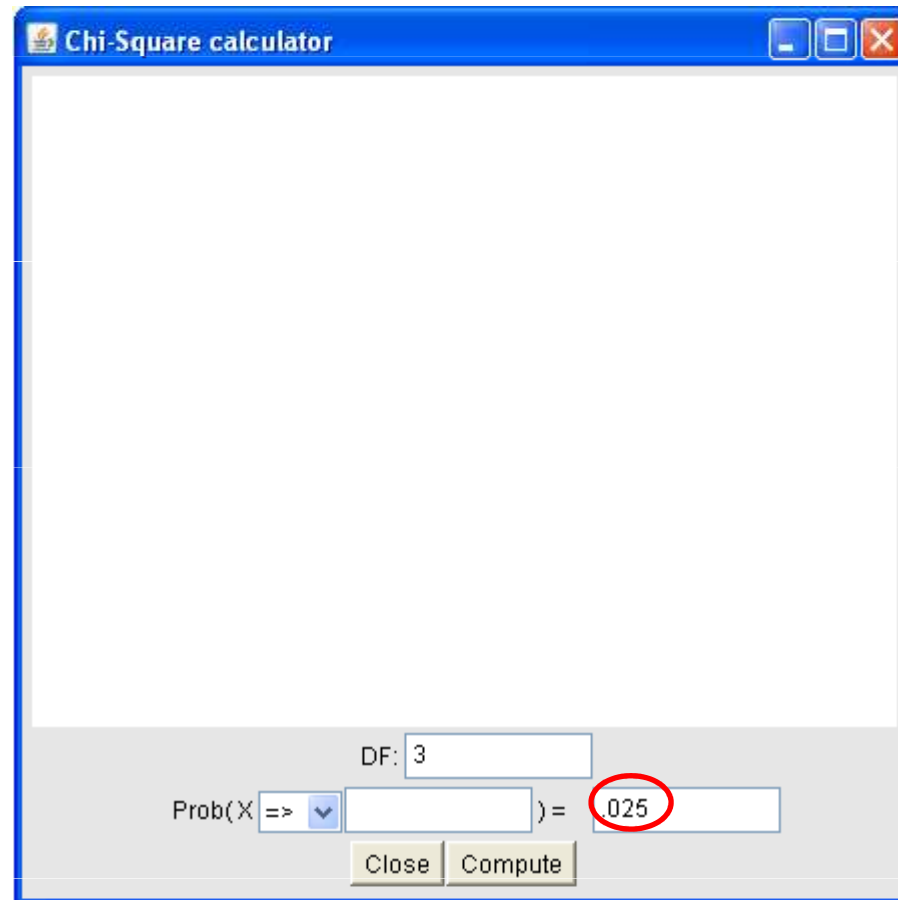


STEP 3. CHANGE SIGN ← Try to $P(X \geq c) = .025$



Change Sign

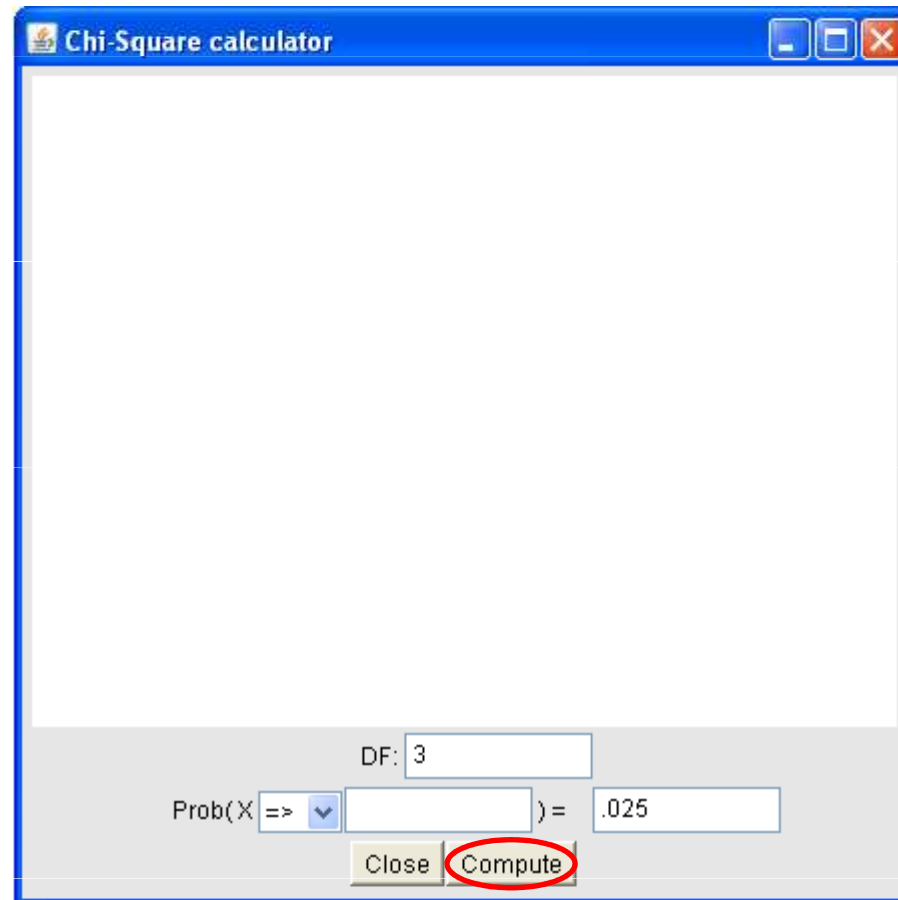
STEP 4. PLUG-IN .025 in Red Circle



The image shows a window titled "Chi-Square calculator". At the bottom of the window, there is a control panel with the following elements:

- A text label "DF:" followed by a text input field containing the number "3".
- A text label "Prob(X => " followed by a dropdown menu (currently showing a downward arrow) and a text input field.
- An equals sign "=" followed by a text input field containing the value ".025", which is circled in red.
- Two buttons: "Close" and "Compute".

STEP 5. PRESS “COMPUTE”



STEP 6. GET YOUR ANSWER

