

How to Use Poisson Calculator

Mean: 5

Try to Find $P(X \leq 3)$

STEP 1. SELECT STAT → CALCULATOR → POISSON

The screenshot shows the StatCrunch web interface. The top navigation bar includes tabs for StatCrunch, Data, Stat, Graphics, and Help. The main area 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. The 'Calculators' option is selected, and a sub-menu is displayed with 'Poisson' highlighted.

Row	var1	var4	var5	var6	var7	var8	var9	var10	var11	var12	var13
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											

StatCrunch | Data | **Stat** | Graphics | Help | Untitled

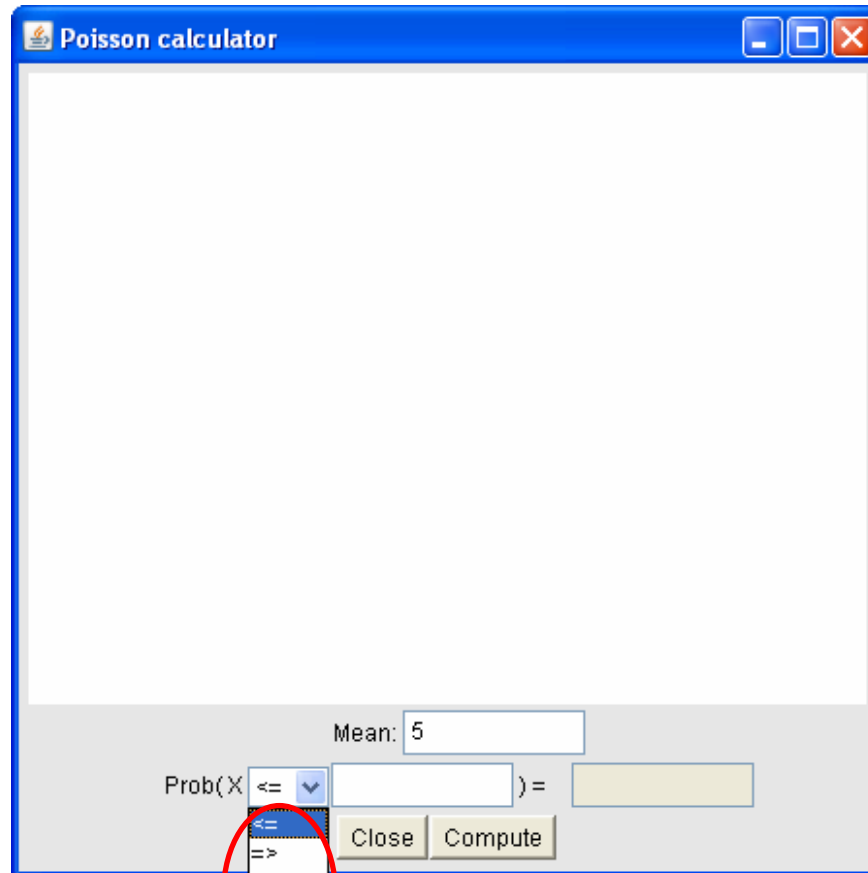
- Summary Stats ▶
- Tables ▶
- Z statistics ▶
- Proportions ▶
- T statistics ▶
- Variance ▶
- Regression ▶
- ANOVA ▶
- Nonparametrics ▶
- Goodness-of-fit ▶
- Control Charts ▶
- Calculators ▶**
 - Beta
 - Binomial
 - Cauchy
 - Chi-Square
 - Exponential
 - F
 - Gamma
 - Normal
 - Poisson**
 - T
 - Weibull

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STEP 2. PLUG-IN MEAN

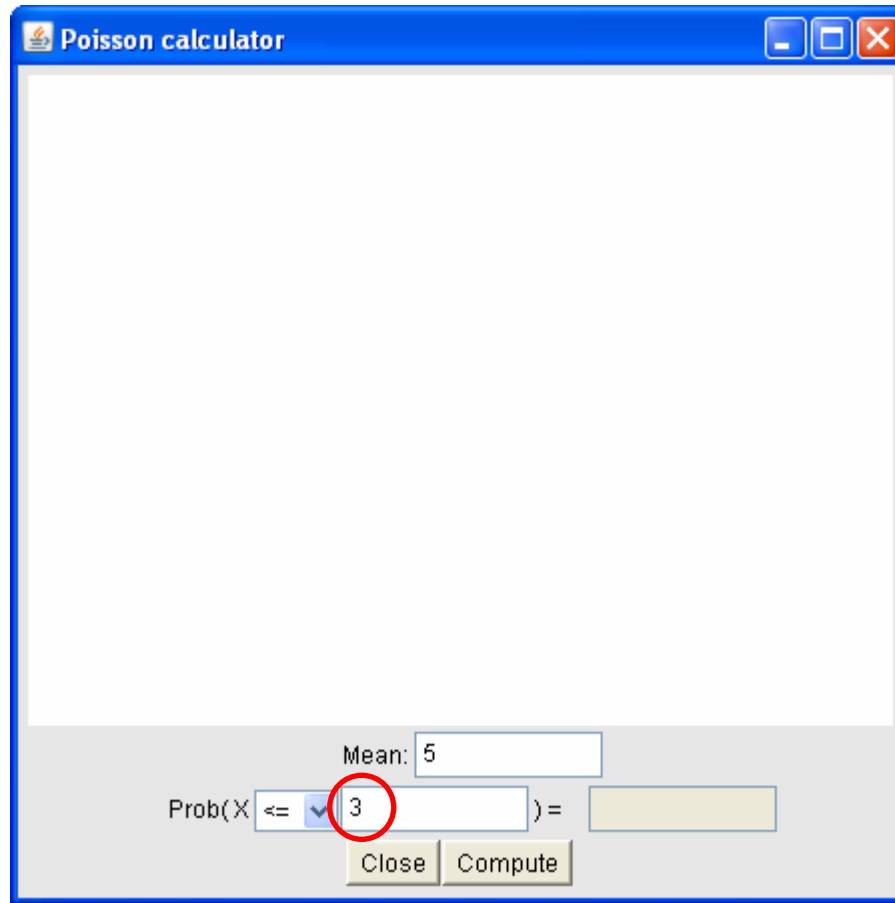
The image shows a software window titled "Poisson calculator". The window has a blue title bar with standard minimize, maximize, and close buttons. The main area is a large white rectangle. At the bottom, there is a grey control panel. In this panel, the text "Mean:" is followed by a text input field containing the number "5". This input field is circled in red. To the left of the "Mean:" label, the text "Sample Size" is written in bold black font, with a blue arrow pointing from it to the "Mean:" label. Below the "Mean:" field, there is a label "Prob(X" followed by a dropdown menu showing "<=" and a downward arrow, then another empty text input field, followed by ")=". Below these fields are two buttons: "Close" and "Compute".

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



Change Sign

STEP 4. PLUG-IN 3 in Red Circle



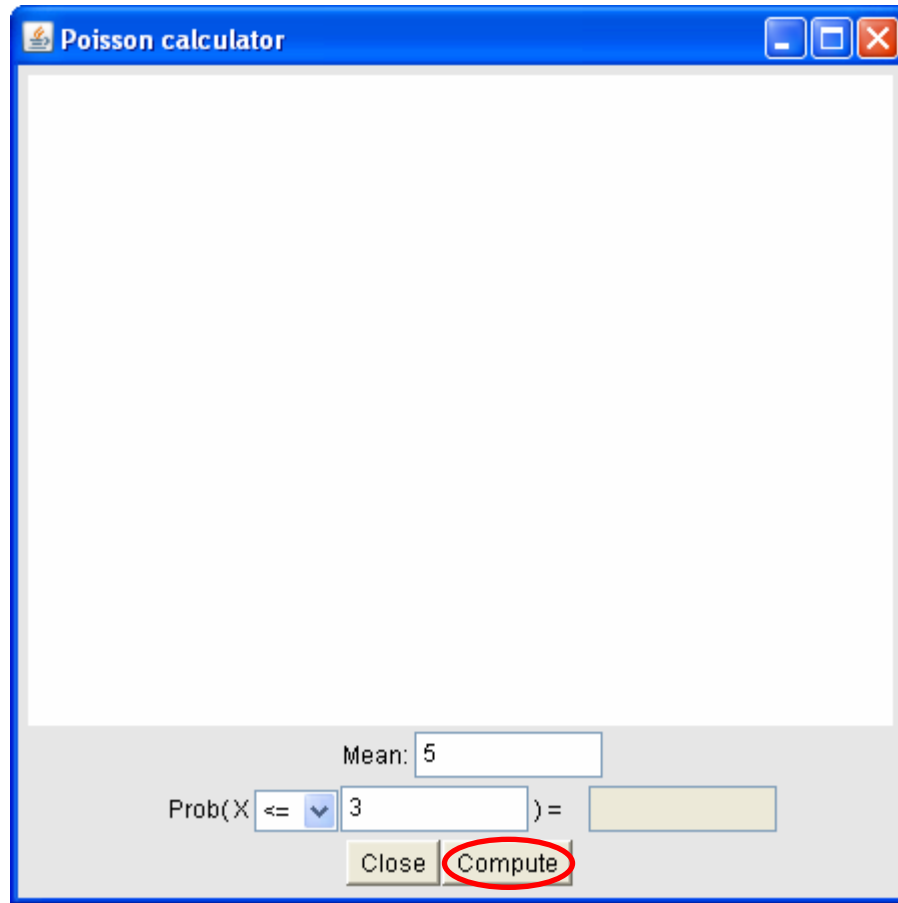
The image shows a window titled "Poisson calculator" with a blue border and standard window controls. The main area is white. At the bottom, there is a grey panel containing input fields and buttons. The "Mean:" field contains the number "5". Below it, the text "Prob(X <= " is followed by a dropdown menu showing "<=" and a text input field containing the number "3", which is circled in red. To the right of the input field is a closing parenthesis ")" and an equals sign "=", followed by an empty output field. Below the input fields are two buttons: "Close" and "Compute".

Mean: 5

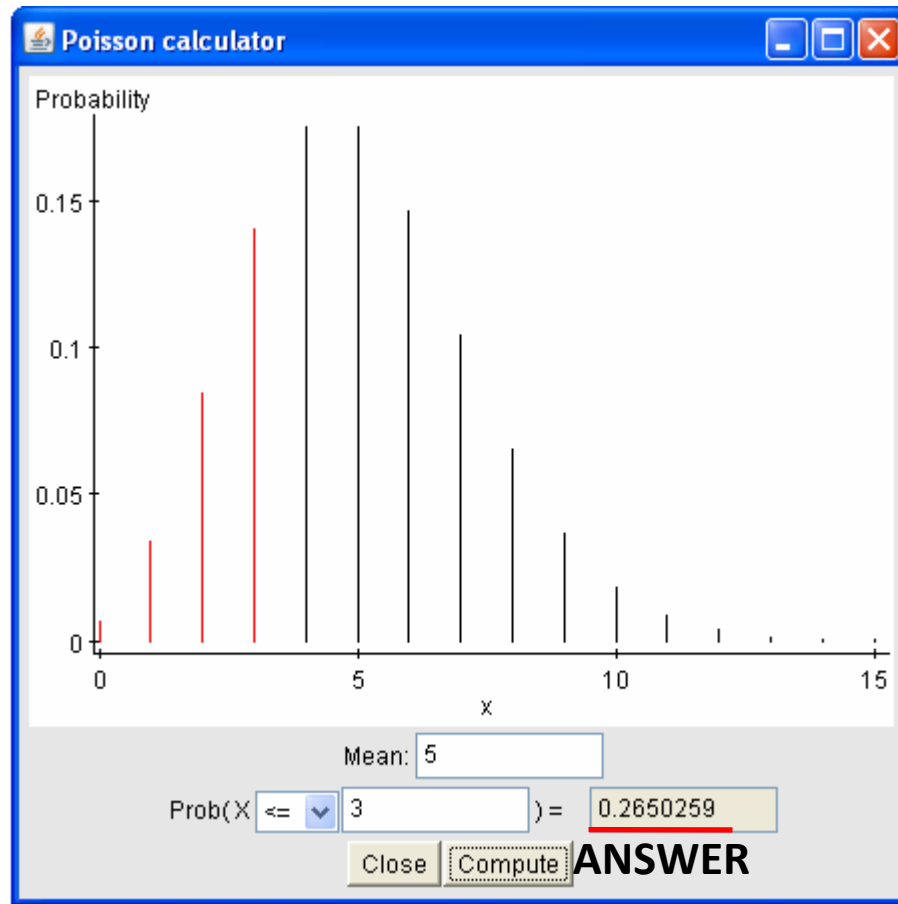
Prob(X <= 3) =

Close Compute

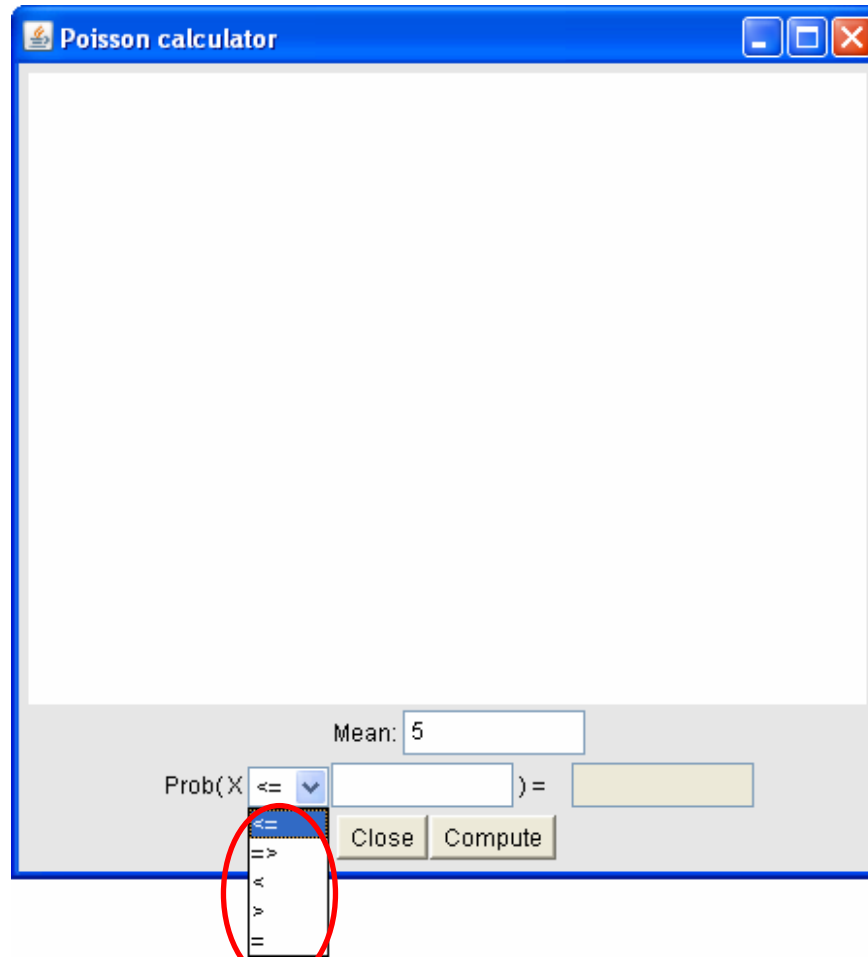
STEP 5. PRESS “COMPUTE”



STEP 6. GET YOUR ANSWER



**By Changing the Sign, You Can Also Get
 $P(X \leq 3)$, $P(X < 3)$, $P(X \geq 3)$, $P(X > 3)$, $P(X = 3)$**



Change Sign