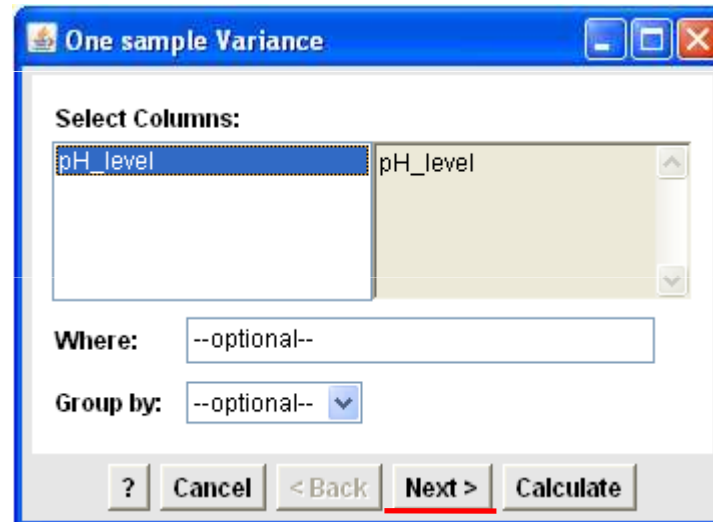
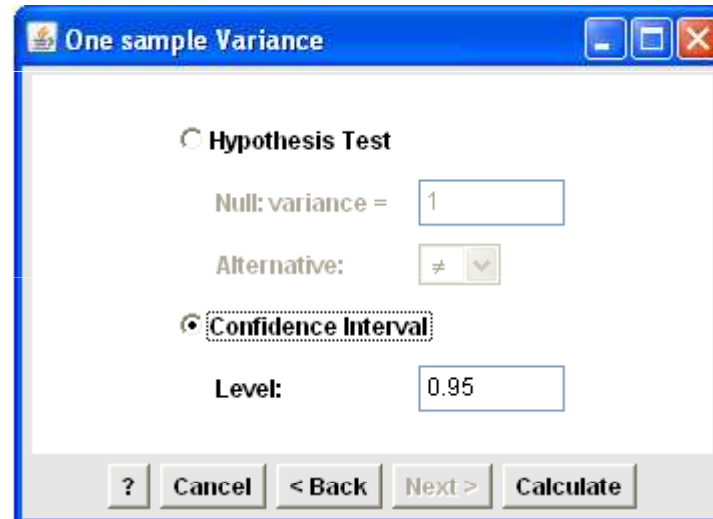


How to construct a confidence interval for the variance of a normal population

STEP 2. Select “pH_level” >> Click Next



STEP 3. Select “Confidence Interval”



The image shows a dialog box titled "One sample Variance". It contains two radio button options: "Hypothesis Test" and "Confidence Interval". The "Confidence Interval" option is selected. Below "Hypothesis Test", there is a text field for "Null: variance =" containing the value "1", and a dropdown menu for "Alternative:" showing the symbol "≠". Below "Confidence Interval", there is a text field for "Level:" containing the value "0.95". At the bottom of the dialog box, there are five buttons: "?", "Cancel", "< Back", "Next >", and "Calculate".

STEP 4. Plug-in Level

(Example: 95% CI \rightarrow .95, 99% CI \rightarrow .99)

One sample Variance

Hypothesis Test

Null: variance =

Alternative:

Confidence Interval

Level:

? Cancel < Back Next > Calculate

STEP 5. Click “Calculate”

One sample Variance

Hypothesis Test

Null: variance =

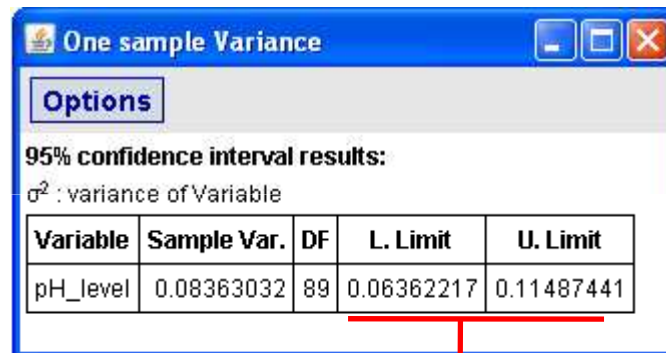
Alternative:

Confidence Interval

Level:

? Cancel < Back Next > Calculate

STEP 6. Result Table



The screenshot shows a software window titled "One sample Variance" with an "Options" tab selected. It displays the following data:

Variable	Sample Var.	DF	L. Limit	U. Limit
pH_level	0.08363032	89	0.06362217	0.11487441

Confidence Interval