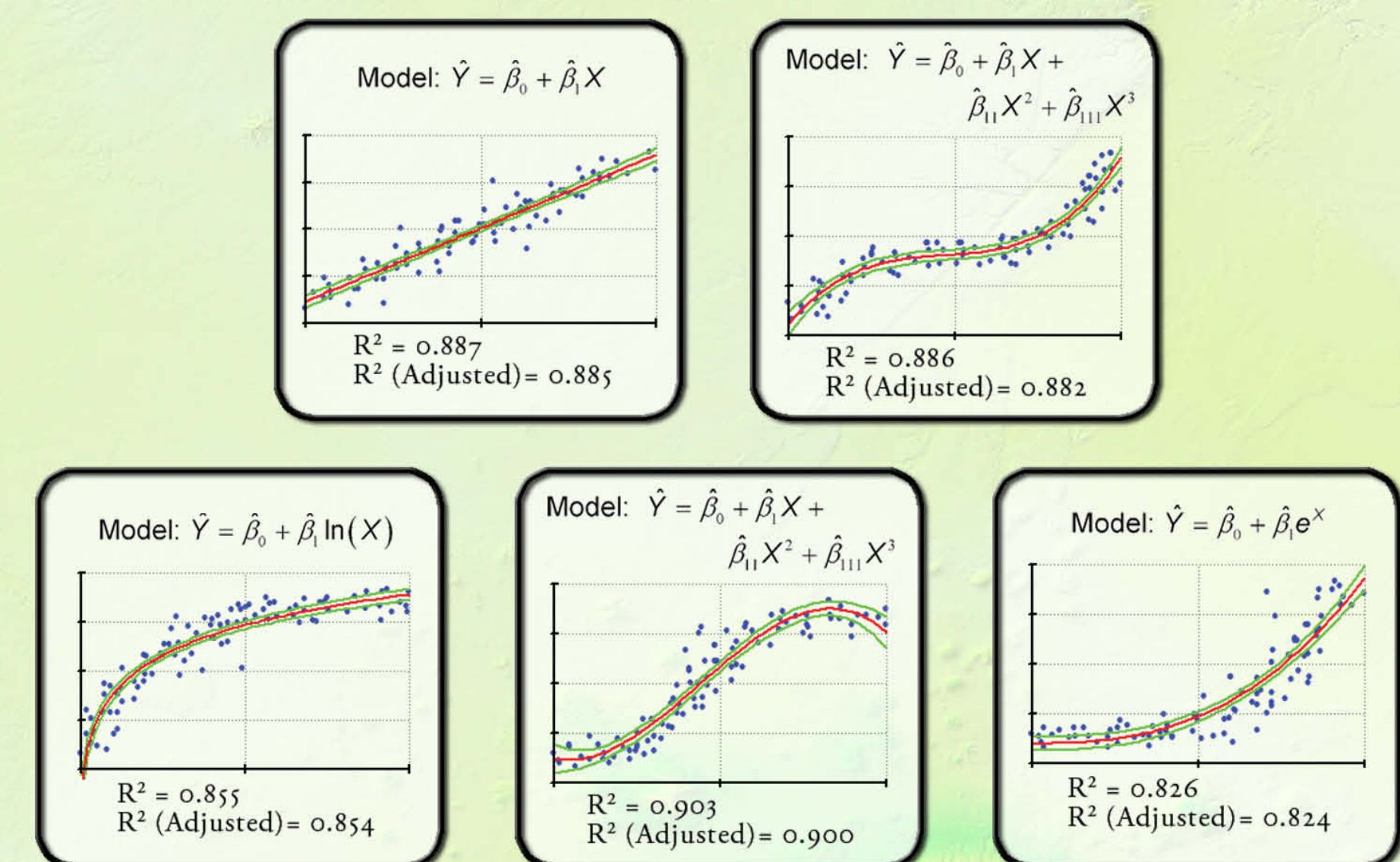
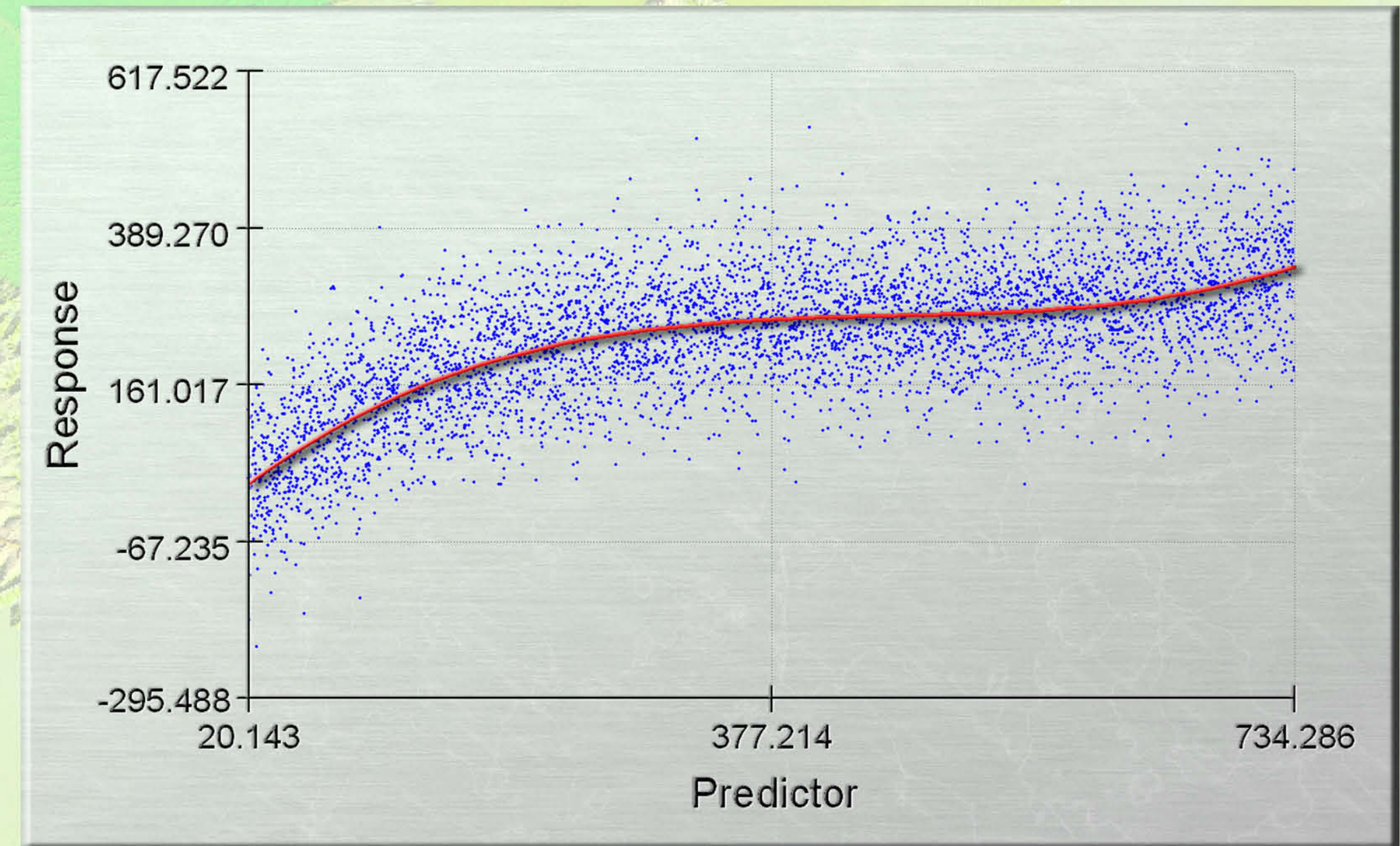


GRID AND THEME REGRESSION

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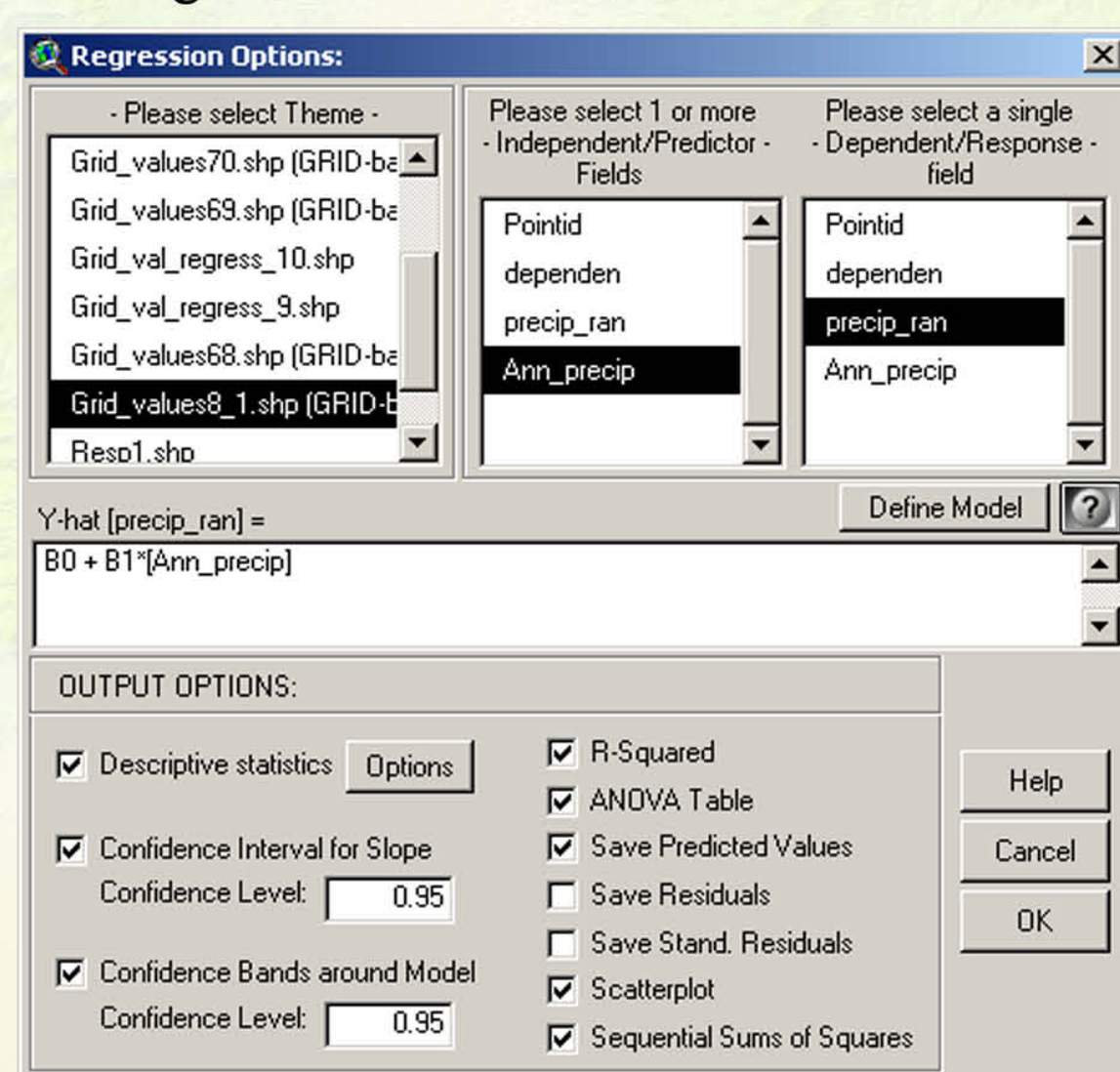
Introduction

Linear regression provides users with a powerful method for analyzing relationships between data. The tool has been specifically designed to allow a user to conduct simple linear regression analyses (with a single “independent” or “predictor” variable) or multiple linear regression (with multiple independent variables). These types of regression let the user identify whether a dependent variable varies in a predictable way over a range of values of the independent variables. For example, regression analysis could tell a user whether fish stocks tend to rise or fall as nutrient levels in the water rise and fall, and can quantify the linear relationship that may exist between fish stocks and nutrient levels. In addition, the analysis also provides users with the probability that any relationship established is due solely to chance. Once such a relationship has been established, it can be used to explain how much of the variation in fish stocks is due to nutrient levels, and to predict what the fish stock might be at some particular nutrient level.

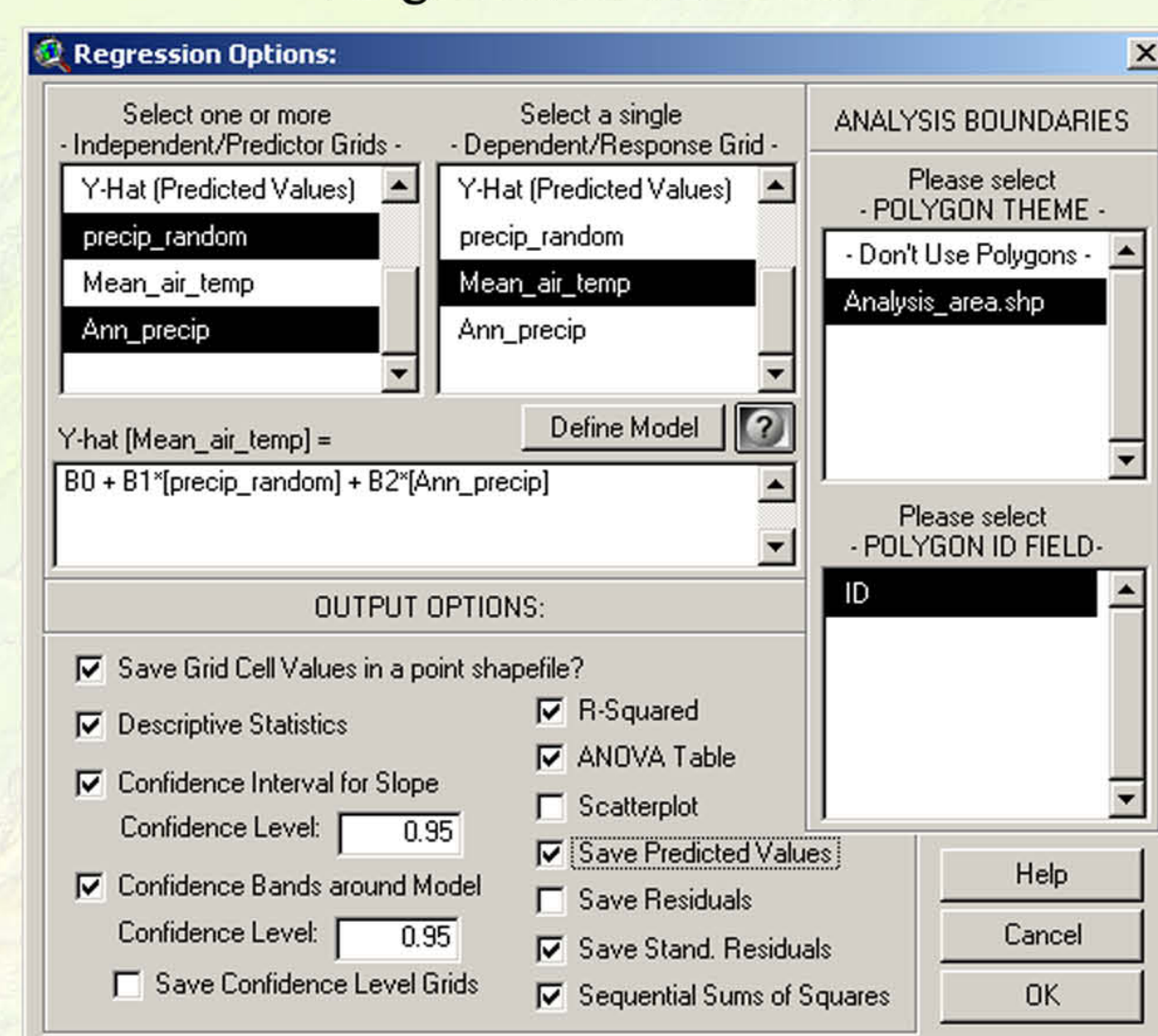


Regression Tools

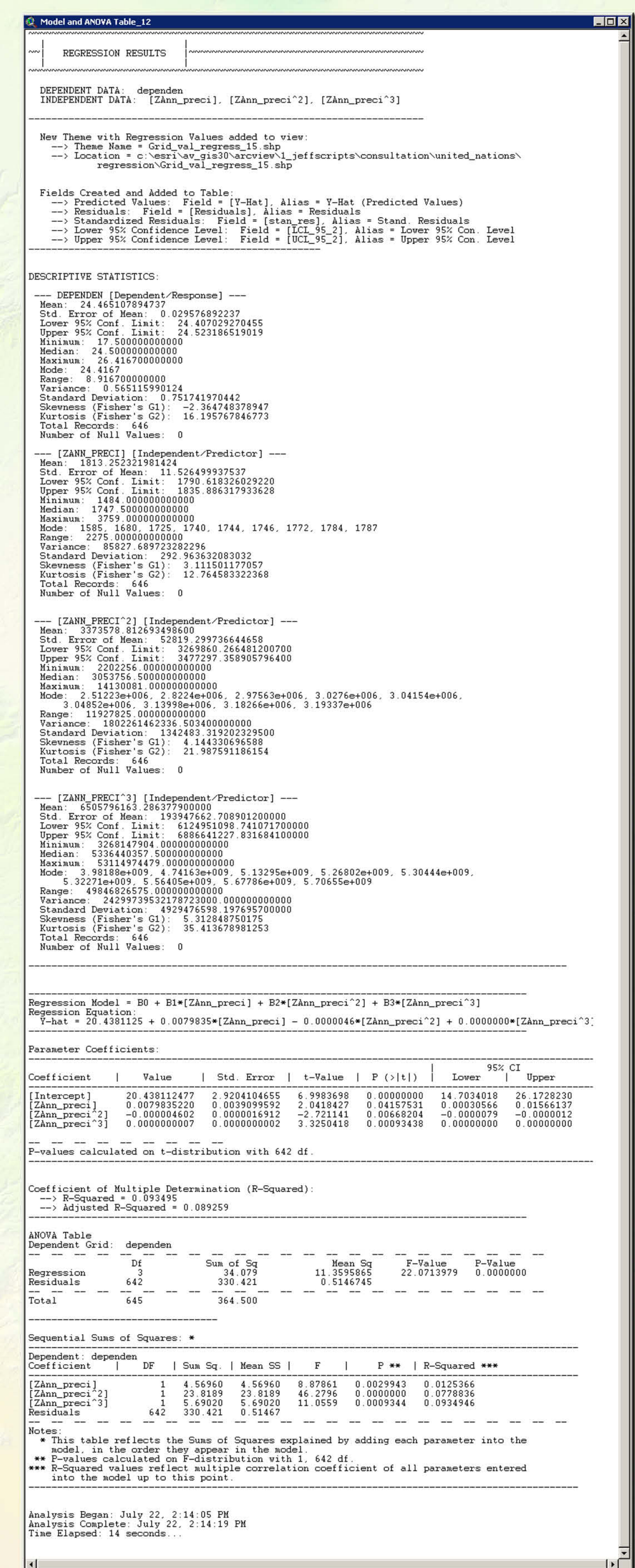
Regression for Themes and Tables



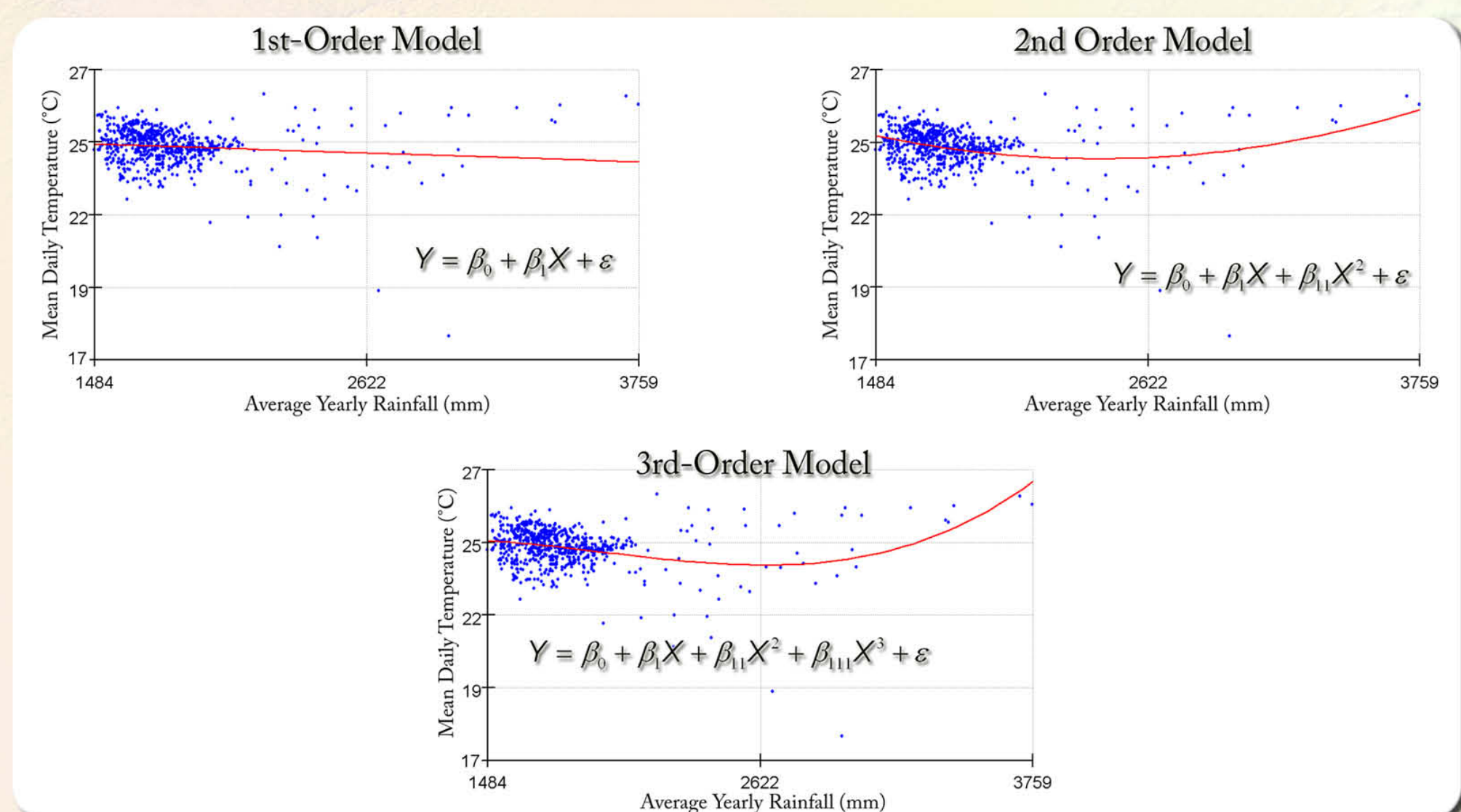
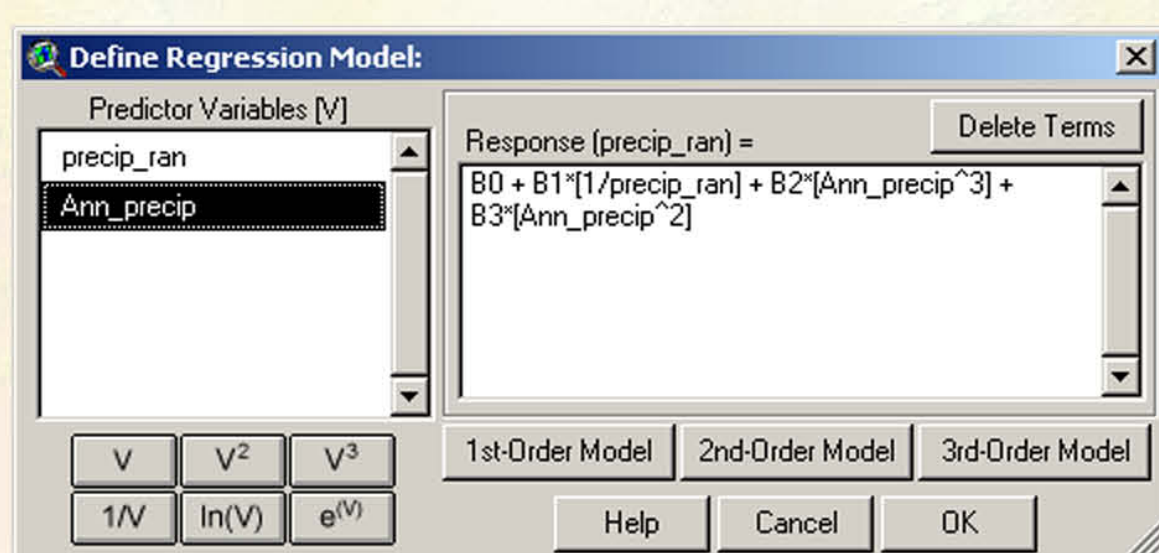
Regression for Grids



Produce Detailed Statistical Reports

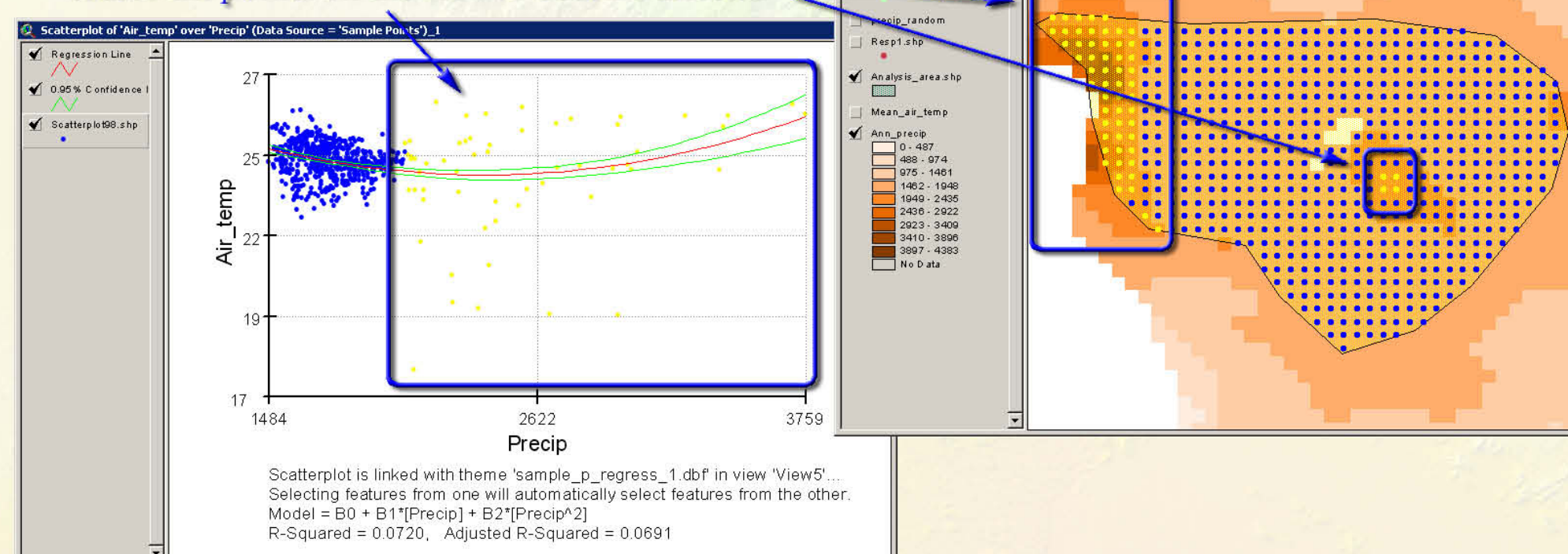


Build Complex Models



Scatterplots Linked to View

Selecting these points on the Scatterplot automatically causes the points on the view to become selected



Additional Statistical Tools

Probability Distribution Calculator:

Calculate critical values from a variety of statistical distributions. This calculator works on values and parameters that you enter into the dialog.

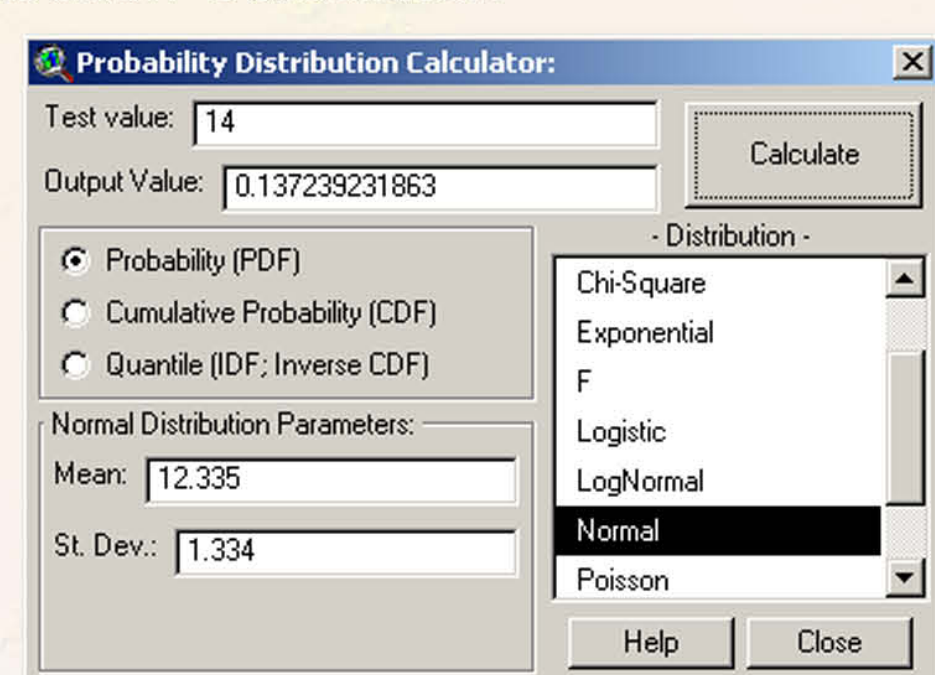
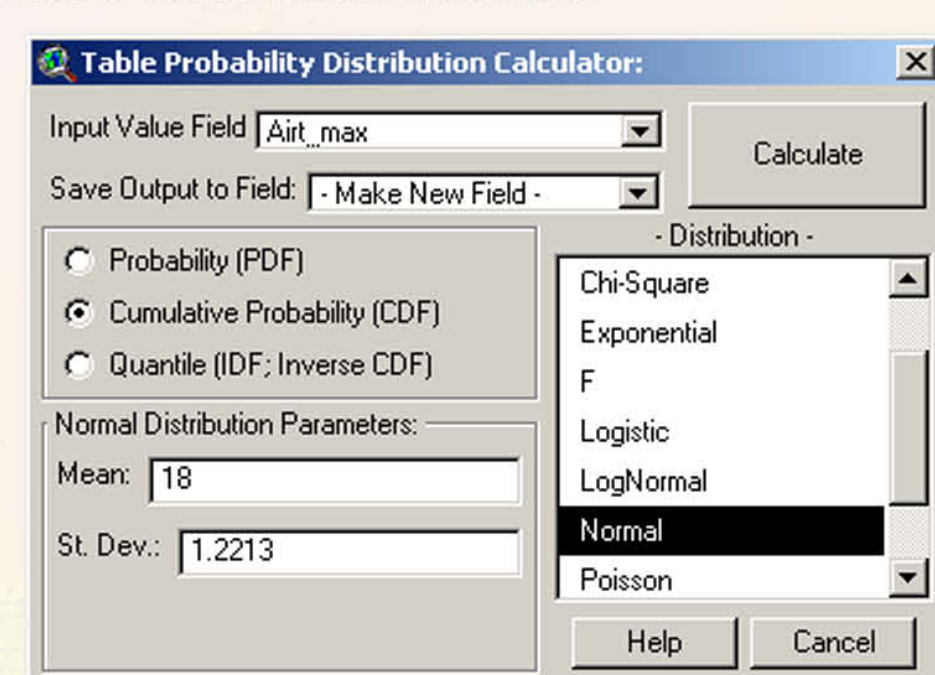


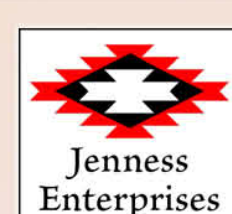
Table Probability Distribution Calculator:

Calculate critical values from a variety of statistical distributions. This calculator works on all values in a table based on parameters you set in the dialog.



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