
Subject: Determine Data relationship

Posted by [daevu](#) on Tue, 16 May 2006 17:35:22 GMT

[View Forum Message](#) <> [Reply to Message](#)

Folks,

How would you approach this problem

I have a dependent variable x (in this case the probability of occurrence of a plant disease) which can be explained by a bunch of independent variables $x(i)$ (in this case, weather data, eg Tair, Precip, Wind, soilmoisture, etc). I have a large dataset of plant disease probability and the corresponding weather data.

How would I build a model of this relationship, like $y=f(x(1-i))$, linear, cubic, polynomial?

- neuronal networks would be an approach but there is no tool for it in IDL (as far as I know)

- wavelets: could this be used for it? if yes, any hints?

Thanks for your comments in advance...

D.
