
Subject: Determine Data relationship

Posted by [daevu](#) on Wed, 17 May 2006 05:34:31 GMT

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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 $y(i)$ (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 method used for it? if yes, any hints?

Thanks for your comments in advance...

D.

Subject: Re: Determine Data relationship

Posted by [wem](#) on Thu, 18 May 2006 15:02:01 GMT

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daevu wrote:

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> D.

I think this depends on what you are trying to accomplish with the model.
Are you trying to predict new, future results, or trying to visualize
the data, or maybe guessing results from data from the past where no new
information can be gathered about, or ...?
