
Subject: Re: Determine Data relationship
Posted by [daevu](#) on Fri, 19 May 2006 05:23:04 GMT
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wem schrieb:

> daevu wrote:

>> 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 be used for it? if yes, any hints?

>>

>> Thanks for your comments in advance...

>>

>> 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 ...?

>

Well I would like to predict, new future results, where I will predict
the variable x.
