Subject: Re: curve fiting issue
Posted by Wasit.Weather on Wed, 10 Dec 2008 15:21:24 GMT
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On Dec 10, 7:54 am, Jeremy Bailin <astroco...@gmail.com> wrote:
> On Dec 10, 12:12 am, Elkunn <Wasit.Weat...@gmail.com> wrote:
>
>
>
>
>
>> Hello,
>> I have a data array like this. The 1st value a[0] is somewhat
>> contaminated and need to be removed.
>
>> a=[0.0382000, 0.3919000, 0.3843000, 0.3880000, 0.3720000, 0.4221000,
>> 0.5966000, 0.8063000,0.7955000
>> 0.8022000,0.7941000,0.8149000,0.8170000,0.7212000,0.7299000,
0.7644000,0.773-8000,0.7574000
>> 0.6756000, 0.6122000,0.5646000,0.5595000,0.5151000]
>
>> I want to remove 1st pixel and replace it by a predicted value from
>> curve fitting and smooth the overll data, return them back into
>> spatial domain. I do not have error values. Is there any simpler
>> method to do that?
>
>> Thanks a lot!
>
>> Elkuun
>
> And do you expect whatever the curve you fit to have compact support
> (probably a good idea for most applications, but I have no clue about
> in your case) or to depend on all of the other data?
>
> -Jeremy.- Hide quoted text -
>
> - Show quoted text -

Thanks for your reply!
This is NDVI data of one pixel over one year. I think Gussian curve fit works for that. Some pixels has no clouds, then I just need to smooth the curve, but one for like this, I want to remove the cloud pixel, then predict its value from least-square fitting, then smooth the whole curve.

Thank you!