
Subject: Re: vector layer comparison in IDL
Posted by [yp](#) on Fri, 25 Feb 2005 14:35:23 GMT
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Mark Hadfield wrote:

> yp wrote:

>> Mark Hadfield wrote:

>>

>>> yp wrote:

>>>

>>>> Is there a sensible way to compare two exported vector layers
>>>> and compute the residuals using IDL? I am sorry for asking this
>>>> simple question...

>>>

>>> Not at all. I, for one, have no idea what your simple question
>>> means. Is this some sort of GIS thing?

>>

>> Yes Mark, it is related to GIS. Then, you might advise to use some
>> GIS package. However, I have have 100s of *files* - these files are
>> basically ARC vector layers exported as ASCII files (lon, lat, ...,
>> attributes). For instance, I have 50 sites where the surveys have
>> been done in two different times (hence 100 ASCII tables); estimate

>> the absolute changes (residuals or differences). I believe that
>> there

>> should be some way of doing it in IDL...

>

> OK, so what do *you* think is the way to go about this and where do
> you

> foresee difficulties? Can you get the data into IDL? Do the lon and
> lat

> data differ between 2 surveys at the same site? If not, simple

> subtraction of the attribute data should be OK; if so, I guess you'll

> need to interpolate to a common grid first. Or is there more to it?

>

>

> --

> Mark Hadfield "Ka puwaha te tai nei, Hoesa tatou"

> m.hadfield@niwa.co.nz

> National Institute for Water and Atmospheric Research (NIWA)

Hi Mark,

Thanks for your suggestion. I did think of the same; to bring both layers to same grid. But I am stuck here... How should I go about interpolating the (x,y) pairs (No attributes are taken into account at the moment)? Here I have to interpolate the co-ordinate rather than

data. If I go like interpolating all y's $f(x)$ and all x's $f(y)$ I'll end up with wrong interpolated data when there are more than one parallel lines.
Any clue?
