
Subject: Re: Find Closest Coincident Measurements In Time And Space Between Two Data Sets

Posted by [Wox](#) on Mon, 13 Oct 2008 16:17:06 GMT

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> I was wondering whether you could convert every data point
> (lat,lon,date,time) in both sets to some integer value, reflecting the
> time and space margin/precision and then use intersection from
> http://www.dfanning.com/tips/set_operations.html
>
> If this would work, this doesn't find the closest point in B for each
> A, but the overlapping points (overlapping margins). But so does your
> code, so I guess that's what you want.

If you can't convert (lat,lon,date,time) to 1 integer, maybe you can convert it to 4 integers and adapt SetIntersection using hist_nd and intersect two 4D-integer datasets.

Then again, I'm not sure whether all that fits into memory.

Btw, if you have enough processing going on in one iteration, having a FOR loop is not too bad. But I know the garlic-silver-bullets-lets-kill-the-evil-FOR-loop feeling ;-).
