Subject: Re: Duplicates - a new twist
Posted by R.G. Stockwell on Tue, 18 May 2004 19:35:25 GMT
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"Martin Doyle" <m.doyle@uea.ac.uk> wrote in message
news:d33d6a4b.0405171324.1272c4e0@posting.google.com...
> Hello all,
...
> which are within their countries. However, some of the latitude,
> longitude coordinates lie on the borders of countries and therefore an
> emission is sometimes reported by 2 or more countries for the same
> coordinate (i,e. There are multiple instances of the same coordinate
> within the dataset).

> What I need to do is to look through the dataset and sum the emissions
> when the coordinate is the same, resulting in a dataset with unique
> coordinates and a total emission for each grid point.

You could quickly make a one dimensional "index" array from the coordinates,
like coord = 1000*lat+lon , and use your one column uniq() and where()s.
Of course, handle the decimal points appropriately.
(or make it a string array of coordinates perhaps)

Offhand, it looks like you will need to loop through the uniq(coords) and
take the mean of the sum of where()d points.

Cheers,
bob