Subject: least square matrix
Posted by Matthias Demuzere on Fri, 11 Mar 2005 09:33:37 GMT
View Forum Message <> Reply to Message

Hi,

Because my question maybe still a bit unclear, here it is again:

I have a dataset of temperatures taken at hourly steps (k-value, ranging from 1-24) for a whole
month (with i days). Now, I would like to compare each temperature $T_{k,i}$ with every other $T_{k,j}$ with j the same number of days as in i. I would like to do that comparison by least square methods like this

Matrix $A_{i,j} = \text{sum} (T_{k,i} - T_{k,j})^2$

where the matrix $A_{i,j}$ is a symmetrical matrix (because i,j are the same day).

How can that be done in IDL?

I was thinking of some FOR statements, like this:

```
FOR i=1, i LE 31, i++ DO BEGIN
   FOR j=1, j LE 31, j++ DO BEGIN
      FOR k=1, k LE 24, k++ DO BEGIN
         function
      ENDFOR
   ENDFOR
ENDFOR
```

But this doesn't seems to work really...Any idees, tips,...??

Thanks,
Matthias

--
 ****
 ****
Physical and Regional Geography Research Group
Redingenstraat 16
B-3000 Leuven
Belgium

Tel: +32 16 326453
Fax: +32 16 326400

E-mail: Matthias.Demuzere@geo.kuleuven.ac.be