Subject: Code-correction please
Posted by toreto on Tue, 25 Nov 2003 12:03:51 GMT
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I have written a code to transform an image in quantile classification image. In this code I have classified the values LE 0 = 0 and the other data in a quantile of 4 classes. The code run with little image but when the image is greater the computer can't run!!

Any solution???

Thanks in advance

Nacho

```
pro clasquantLE0_image
;-----------------------------------------------------
;sans le zero ou negatives
;************************
; preparation de l'image

  ; First restore all the base save files.

  envi, /restore_base_save_files
  ;
  ; Initialize ENVI and send all errors
  ; and warnings to the file batch.txt
  ;
  envi_batch_init, log_file='c:\temp\batch.txt'
  ;****************************
  ; open image
  ;****************************


im1 ='c:\nacho\imageExemple


  envi_open_file, im1, r_fid=ref_fid
  if (ref_fid eq -1) then begin
    envi_batch_exit
    return
  endif

; information of the band
  ;
  envi_file_query,ref_fid,ns=ns, nl=nl,nb=nb, bname = ref_bname
  ref_dims = [-1,0,ns-1,0,nl-1]
  pos = lindgen (nb)
```

```
band= envi_get_data(fid=ref_fid, dims=ref_dims, pos=0)
data= make_array (ns, nl, value=0)
data= float (band*1)
;print, data

;********************
n=n_elements (data)
no = n_elements (data(where(data LE 0)))
m = n_elements (data(where(data GT 0)))
; n_elements de data with 0
nno= n-no
print, no
Print, 'valeur de N'
print, n
; indices des data's value
ix = sort (data)


; classification quantile
indm= make_array (n+1,value=4)
for h= 0,no-1 do begin
  for i= no-1, ((no-1)+(0.25*nno)) do begin
 for j =((no-1)+(0.25*nno)), ((no-1)+(0.50*nno)) do begin
    for k = ((no-1)+(0.50*nno)),((no-1)+(0.75*nno))  do begin
     for l= ((no-1)+(0.75*nno)), (n) do begin
    indm(h)=0
   indm(i)=1
   indm(j)=2
   indm(k)=3
   indm(l)=4
   endfor
   endfor
   endfor
   endfor
   endfor
   endfor

   ;print ,'impression de nacho'
   ;print, indm

  arclq =indm(sort(ix))
  ;print, 'resultat de la classifquantile'

;******************
; creation de la matrix

clq= reform (arclq, ns,nl)
```

```
;***********

;resclq = make_array (ns, nl, value= clq)

;print, clq
;*****************************
; preparation de l'image output
;
envi_enter_data, clq, r_fid=clq_fid
nb=1
pos= lindgen(nb)
clqfid=lonarr (nb)
dims=lonarr (5,nb)

pos[0]=0
;dims[0,0] = [-1,0,ns-1,0,nl-1]
clqfid[0]=clq_fid

outnameclq ='c:\nacho\clasquantres1

envi_doit, 'cf_doit', $
 fid=clqfid ,pos=pos,dims=ref_dims, out_name=outnameclq,
r_fid=resCLQ_fid, out_dt=1


end
```