
Subject: Code-correction please

Posted by [toreto](#) on Tue, 25 Nov 2003 12:03:51 GMT

[View Forum Message](#) <> [Reply to Message](#)

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

  ;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

```
