
Subject: Re: How to edit the file of classification
Posted by [Jean H.](#) on Fri, 12 Jun 2009 11:48:58 GMT
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mengran wrote:

> Hi, everyone.
>
> I want to open and edit a envi standard classification file in IDL.
> But I don not know using which function to open it ,and then get the
> data into a variable to edit it, finally save the edited data as a
> envi standard classification file.
>
> Could you please help me ? Thanks a lot!
>
> best wishes!
>
> mengran

Hi Mengran,

you can do something like this, provided you have Envi.

```
envi, /restore_base_save_files  
envi_batch_init
```

```
;Open the file in envi  
ENVI_OPEN_FILE, fileToOpen, /NO_REALIZE , R_FID=FID
```

```
;Read the header  
envi_file_query, fid, ns=dimX, nl=dimY, nb=nbBands, $  
  DATA_TYPE=dataType, OFFSET = HeaderOffSet, $  
  LOOKUP= lookup, class_names = classNames, $  
  num_classes = numClasses  
map_Info = ENVI_GET_MAP_INFO(FID=FID)
```

```
headerInfo = {ns:dimX, nl:dimY, lookup:lookup, $  
  map_info:map_Info, class_names:classNames, $  
  num_classes:numClasses}
```

```
;Read the data in IDL  
data = read_binary(fileToOpen,data_Start = HeaderOffSet, $  
  data_Type=dataType, data_Dims=[dimX,dimY],ENDIAN = "native")
```

```
;Do something on your data
```

```
;Save your file (check the nb.. you may want to read it from the file,  
in the header structure)
```

```
ENVI_WRITE_ENVI_FILE, data, data_type=dataType, nb=1, nl=headerInfo.nl,$
  ns=headerInfo.ns,OUT_NAME = outFile, $
BNAMES = 'modified band', class_names = headerInfo.class_names, $
lookup=headerInfo.lookup, map_info=headerInfo.map_info, $
num_classes = headerInfo.num_classes
```

Jean
