
Subject: Re: Does the ENVI_SVM_DOIT function have memory leak problem?
Posted by [Jean H.](#) on Fri, 28 Mar 2008 16:34:30 GMT

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```
> Pro test
> ori_data_path = 'D:\bhtmref'
> envi_open_file, ori_data_path, r_fid=ori_img_fid
> envi_file_query, ori_img_fid, dims=ori_img_dims, nb=ori_img_nb
> numFeatures = ori_img_nb
> Feature_Subset = indgen(numFeatures)
> Para_C = 100
> Para_gamma = 1/numFeatures
```

==> will always be 0
Do 1.0/numFeatures

not sure it would have any effect on the memory though...
you can try to add a heap_gc statement every now and then..

Jean

```
> out_name = 'D:\clsrst'
> envi_restore_rois, 'D:\test.roi'
> tr_roi_ids = envi_get_roi_ids(fid=fid)
> help, /memory
> print, '====='
> ; Call the svm classification doit routine, using the optimized
> parameters
> envi_doit, 'envi_svm_doit', $
> fid=ori_img_fid, pos=Feature_Subset, dims=ori_img_dims, $
> out_name=out_name, roi_ids=tr_roi_ids, $
> penalty=Para_C, kernel_gamma= Para_gamma
> help, /memory
> ; Remove the original image and training ROI IDS
> envi_file_mng, id=ori_img_fid, /remove
> help, /memory
> envi_delete_rois, tr_roi_ids
>
> End
```

Subject: Re: Does the ENVI_SVM_DOIT function have memory leak problem?
Posted by [Neve](#) on Sun, 30 Mar 2008 10:56:06 GMT

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On Mar 29, 12:34 am, Jean H <jghas...@DELTHIS.ucalgary.ANDTHIS.ca>
wrote:

> Do 1.0/numFeatures
>
> not sure it would have any effect on the memory though...
> you can try to add a heap_gc statement every now and then..
>
> Jean
>

Sorry, Jean. It seems that I replied to your email yesterday.

The "1.0/numFeatures" statement does not have effect on the memory. I have checked that. I have also tried the heap_gc statement. It didn't work. The problem still exists.

I used the "Heap_gc, /verbose" statement to see if there's still any "garbage" in the memory after I removed the original image, the ROIs and the classification result. But there was none. Yet some amount of memory was occupied. It's really weird.

Anyway, thank you very much for you reply.

Neve

Subject: Re: Does the ENVI_SVM_DOIT function have memory leak problem?
Posted by [Spon](#) on Sun, 30 Mar 2008 13:22:50 GMT
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On Mar 30, 11:56 am, Neve <jingzheng2...@gmail.com> wrote:

> I used the "Heap_gc, /verbose" statement to see if there's still any
> "garbage" in the memory after I removed the original image, the ROIs
> and the classification result. But there was none. Yet some amount of
> memory was occupied. It's really weird.
>
> Neve

If there's any image information stored in off-screen pixmap buffers, then you could try getting rid of these with something like:

```
While !Window NE -1 DO WDelete
```

I know I've had a similar problem if I use XInterAnimate with the /KEEP_PIXMAPS keyword set.

Take care,
Chris

Subject: Re: Does the ENVI_SVM_DOIT function have memory leak problem?

Posted by [Neve](#) on Mon, 31 Mar 2008 01:51:49 GMT

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On Mar 30, 9:22 pm, Spon <christoph.b...@gmail.com> wrote:

> If there's any image information stored in off-screen pixmap buffers,
> then you could try getting rid of these with something like:

>

> While !Window NE -1 DO WDelete

>

> I know I've had a similar problem if I use XInterAnimate with the /

> KEEP_PIXMAPS keyword set.

>

> Take care,

> Chris

I didn't use any IDL graphics window in my pro. But I tried what you said. It didn't work either. Thanks anyway.
