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Subject: Re: Principle Componets Analysis  
Posted by [KRDean](#) on Fri, 24 Aug 2007 02:42:32 GMT  
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I find the book Image Analysis, Classification and Change Detection in Remote Sensing, with Algorithms for ENIV/IDL by Morton Canty handy. He provides ENVI/IDL code to do the PCAs.

Kelly Dean  
Fort Collins, Colorado

On Aug 23, 12:27 pm, David Fanning <da...@dfanning.com> wrote:

> Folks,  
>  
> Is it just me, or is this turning into an ENVI forum...  
>  
> I have three bands of a Landsat image. They come in  
> three separate files (GEOTIFF). I have opened all three  
> in ENVI. I wish to perform a principle components analysis  
> of these three images, and capture the first principle  
> component for further analysis.  
>  
> ENVI seems to want to have these three images in the  
> same file or something. In any case, I can't work out  
> how to get these three images into the PC apparatus.  
> Perhaps if I could make a new ENVI image of these three  
> bands? What if I wanted to do the analysis with four image  
> bands?  
>  
> Any help appreciated.  
>  
> Thanks,  
>  
> David  
> --  
> David Fanning, Ph.D.  
> Fanning Software Consulting, Inc.  
> Coyote's Guide to IDL Programming:<http://www.dfanning.com/>

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