
Subject: class_doit Maximum Likelihood errors

Posted by [humphreymurray](#) on Mon, 25 Sep 2006 03:13:08 GMT

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Hi,

I want to classify an 8 band image using the maximum likelihood classifier in ENVI 4.0. I want to use a script to automate this process, as I want to do it over a large range of different images and settings.

However, if I classify all eight bands using the ENVI GUI I get a completely different classification image then I do when I do it in code. If I only use four or less of the bands, then the results are exactly the same, however if I try to use anymore then four of the bands the results using my code as really bad, and look nothing like the results produced by using the ENVI GUI.

Am I doing something wrong here? Or is this a known (or unknown) bug.

I even tried copy and pasting the code from the class_doit manual page (and pointed it to my image), and it still produced a wrong result.

Humphrey

Subject: Re: class_doit Maximum Likelihood errors

Posted by [peter.eddy@shaw.ca](#) on Thu, 28 Sep 2006 18:24:34 GMT

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It is difficult to troubleshoot the problem without seeing the code you are trying to run. First I would go back and check your training data file. The ML classification as im sure you know uses training data's variance / covariance matrices... Are your *.sta files or matrices present and formatted properly?? Were your training matrices developed on only four bands?

Pete
