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Subject: Question on ENVI 3.6

Posted by [Mort Canty](#) on Fri, 28 Mar 2003 13:45:53 GMT

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Hi

The maximum likelihood classifier in ENVI version 3.5 generated a Rule File with class membership probabilities. Version 3.6 generates something else. According to the on-line help:

"The rule images, one per class, contain a maximum likelihood discriminant function with a modified Chi Squared probability distribution"

This is not very informative and also contradicts the help elsewhere, where it says:

"Use rule images to create intermediate classification image results before final assignment of classes. For example, rule images for the maximum likelihood classification will be the probability images themselves; one for each input ROI used in the classification. The rule image that has the highest probability for a pixel is the class to which that pixel is assigned. The probability values themselves are only retained in the rule images, not in the classified image. "

Can anyone tell me what the numbers in the Rule File actually are and how to convert them back to probabilities?

Many thanks

Mort Canty

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Subject: Re: Question on ENVI 3.6

Posted by [cshen](#) on Sun, 13 Apr 2003 07:52:54 GMT

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hi, another question on max likelihood, but not quite related to this one.

When I used max likelihood, I use only input image, it is OK. But when I use input image with a mask, in ENVI 3.5 and 3.6, in the intermediate stage, an error message will appear (not in hand now). Anyway meet similar situation? Thanks.

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