I'm trying to generate images of true probabilities from maximum likelihood rule images. Since the final probability rule images were modified (from the RSI website): "In the ENVI 3.6 implementation, the rule images (one per class) contain a maximum likelihood discriminant function with a modified Chi Squared probability distribution.", I am unclear as to how to get BACK to true probabilities. Typing in the % probability into the rule classifier doesn't really get me what I need. Could I get the "true" probability for a given class (let's say we have two classes, A and B) and calculating:

Rule image A/(rule image A + rule image B) ?

Or is there some other technique I need to perform to get a true probability image? Thanks!

I'm planning on using this in combination with Bayesian logic tools, which is why I need, for each pixel and for each class the posterior probability (0 to 1). As I mentioned, the rule classifier is only good if I want to perform a new classification based on the rule images, not if I want to see directly what these probabilities are.