
Subject: Re: TMVA - weight(s)

Posted by [Elisabetta Prencipe \(2\)](#) on Sat, 07 Mar 2015 13:27:26 GMT

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Hi Stefano,

same story: ROC curve does not change if the bkg weight is 1, 50 or 500, for example. This is nasty....

I have an old tool for the Fischer discriminant only. The possibility to add a weight was not, at that time. So, if I trained my F-discriminant with different size of bkg samples, the efficiency curve and the discriminant shape, looked different. I am confused on how TMVA works, honestly.

Here are two possibilities:

- a) something is wrong with this tool;
- b) the tool is ok, I do not understand how it works.

I am in favor of b)....

Any suggestion?

Elisabetta
