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Subject: MVA in PandaRoot

Posted by [Elisabetta Prencipe \(2\)](#) on Fri, 06 Mar 2015 13:35:26 GMT

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Dear all,

I am taking a look to the MVA tools available in pandaroot. In particular, the macros:

`/oct14/PndTools/MVA/macro/*.C`

I am a bit confused in the way how to use those.

For example, suppose that I have 2 root files, e.g. sig.root; bkg.root.

I selected some variables with different shape, named A, B, C, D, and I am interested to build a Fisher discriminant, or other methods, and study the discriminant power of such discriminant. Is there an example macro how to use the MVA tools of this pandaroot package, or what is your suggestion?

Thank you in advance for your help,

Elisabetta

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Subject: Re: MVA in PandaRoot

Posted by [Stefano Spataro](#) on Sat, 07 Mar 2015 09:24:12 GMT

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Apart from being not updated, it seems to me those macros are to use weight and not to run training and producing the weight. I suggest to contact directly Mohammad Babai for the full procedure.

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Subject: Re: MVA in PandaRoot

Posted by [Elisabetta Prencipe \(2\)](#) on Sat, 07 Mar 2015 10:41:10 GMT

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Thank you Stefano.

In the past 24h, I uploaded in my /home/ the original TMVA, that looks working fine, in an case. I was wondering if some official procedure exists in panda, especially for the "weight". It is not feasible to think that me, as well as other people, can run some billions events per scan point, in our analysis, and I am interested to understand how to solve this, in training my 2 samples, e.g. signal and background.

Anyway, I will contact the person that you suggest.

ciao, Elisabetta

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