
Subject: Re: compare 2-d array with vector

Posted by [Heinz Stege](#) on Mon, 24 Sep 2012 11:39:44 GMT

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On Mon, 24 Sep 2012 00:32:17 -0700 (PDT), Danxia wrote:

> Hi all, I'm having problem when comparing a 2-d array with a given vector. For example, if giving a 2-d array

> a=[[1,1,1],

> [2,2,2],

> [3,3,3],

> [4,4,4]]

> and a vector b=[1,2],

> how can I get all the subscripts of array a that's equal to any element in vector b, which in this example is [0,1,2,3,4,5]. Please let me know if I failed to make this clear. Looking forward to any reply. Thank you very much!

Hi Danxia,

the use of the value_locate function is very helpful:

subscripts=where(a eq b[value_locate(b,a)>0])

Note that b must be sorted and must have 2 or more elements. ">0" may be omitted, if a is an array (and you have not enabled the STRICTARRSUBS compiler option).

Cheers, Heinz
