
Subject: SVDC did not converge
Posted by [fd_luni](#) on Thu, 18 Jul 2013 16:07:52 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi

I am using the Singular value decomposition method (SVDC function) and so far everything works fine.

I have two arrays: one with p-values and the other with d-values

E.G. $p=[0.02,0.04,0.06]$ and $d=[0.01,0.015,0.025]$

Each time I choose if I want to use the p or the d array. When I use the p array everything is ok but when I use the d array I've got the following error and I don't see why:

> SVDC: svdcmp_d did not converge.
> Array has a corrupted descriptor: <No name>.

Does anyone know why this happens?

ManY Thanks
M

Subject: Re: SVDC did not converge
Posted by [Rob Klooster](#) on Fri, 19 Jul 2013 07:04:57 GMT
[View Forum Message](#) <> [Reply to Message](#)

Op donderdag 18 juli 2013 18:07:52 UTC+2 schreef [fd_...@mail.com](#) het volgende:

> Hi
>
>
>
>
> I am using the Singular value decomposition method (SVDC function) and so far everything works fine.
>
>
>
> I have two arrays: one with p-values and the other with d-values
>
> E.G. $p=[0.02,0.04,0.06]$ and $d=[0.01,0.015,0.025]$
>
> Each time I choose if I want to use the p or the d array. When I use the p array everything is ok but when I use the d array I've got the following error and I don't see why:
>
>
>
>> SVDC: svdcmp_d did not converge.
>

>> Array has a corrupted descriptor: <No name>.
>
>
>
> Does anyone know why this happens?
>
>
>
> ManY Thanks
>
> M

What are the matrices of which you want to calculate the SVD? I cannot reproduce the error you get, could you provide some example code?

Rob.

Subject: Re: SVDC did not converge
Posted by [Rob Klooster](#) on Fri, 19 Jul 2013 08:22:55 GMT
[View Forum Message](#) <> [Reply to Message](#)

Op vrijdag 19 juli 2013 09:04:57 UTC+2 schreef Rob Klooster het volgende:

> Op donderdag 18 juli 2013 18:07:52 UTC+2 schreef fd_...@mail.com het volgende:

>
>> Hi

>
>>
>
>>
>
>>
>
>> I am using the Singular value decomposition method (SVDC function) and so far everything works fine.

>
>>
>
>>
>
>>
>
>> I have two arrays: one with p-values and the other with d-values
>
>>
>
>> E.G. p=[0.02,0.04,0.06] and d=[0.01,0.015,0.025]
>

```
>>
>
>> Each time I choose if I want to use the p or the d array. When I use the p array everything is
ok but when I use the d array I've got the following error and I don't see why:
>
>>
>
>>
>
>>
>
>>> SVDC: svdcmp_d did not converge.
>
>>
>
>>> Array has a corrupted descriptor: <No name>.
>
>>
>
>>
>
>>
>
>> Does anyone know why this happens?
>
>>
>
>>
>
>>
>
>> ManY Thanks
>
>>
>
>> M
>
>
>
> What are the matrices of which you want to calculate the SVD? I cannot reproduce the error
you get, could you provide some example code?
>
>
>
> Rob.
```

I just noticed that the error can come from NAN's in your array. You should check for those with the `finite()` function.

Rob.

Subject: Re: SVDC did not converge

Posted by [fd_luni](#) on Fri, 19 Jul 2013 09:21:19 GMT

[View Forum Message](#) <> [Reply to Message](#)

Yes, maybe! This error appears when I am using an array with very small values. I will check with the `finite()` function.

Cheers

M

Subject: Re: SVDC did not converge

Posted by on Fri, 19 Jul 2013 15:34:57 GMT

[View Forum Message](#) <> [Reply to Message](#)

On 2013-07-19 11:21, fd_luni@mail.com wrote:

> Yes, maybe! This error appears when I am using an array with very small values. I will check with the `finite()` function.

You could try using `la_svd` instead of `svdc`.

/Mats
