
Subject: Dimension Keywords

Posted by [fd_luni](#) on Mon, 11 Nov 2013 09:58:51 GMT

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Hi

I want to indicate the dimension across which to calculate the percentiles to a matrix. I used this but it doesn't work:

`cgPercentiles(X, Percentiles=[0.975],dimension=3)` where X is the matrix.

Does anyone know how to indicate the dimension across which to calculate the percentiles to a matrix?

Thanks,
Maria

Subject: Re: Dimension Keywords

Posted by [David Fanning](#) on Mon, 11 Nov 2013 15:24:09 GMT

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fd_luni@mail.com writes:

> I want to indicate the dimension across which to calculate the percentiles to a matrix. I used this but it doesn't work:

>

> `cgPercentiles(X, Percentiles=[0.975],dimension=3)` where X is the matrix.

>

> Does anyone know how to indicate the dimension across which to calculate the percentiles to a matrix?

I spent an hour adding such a keyword to `cgPercentiles` this morning. If you would like to make a contribution to this IDL work at the Coyote Store, I would be happy to send the updated copy to you.

http://www.idlcoyote.com/index.php?main_page=index&cPath=67

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Seppure ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: Dimension Keywords

Posted by [David Fanning](#) on Mon, 11 Nov 2013 15:27:59 GMT

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David Fanning writes:

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> you would like to make a contribution to this IDL work at the Coyote
> Store, I would be happy to send the updated copy to you.
>
> http://www.idlcoyote.com/index.php?main_page=index&cPath=67

Whoops! That's not going to work. Try this instead:

http://www.idlcoyote.com/coyotestore/index.php?main_page=index&cPath=67

Cheers,

David

--

David Fanning, Ph.D.

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Subject: Re: Dimension Keywords

Posted by [JP](#) on Wed, 17 Feb 2016 05:23:10 GMT

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David, some time ago I contributed \$9.95 to your cgPercentiles with dimension keyword.

However, what I get is not exactly what I need.

example:

```
IDL> a = randomU(seed, 100, 100, 10)
```

```
IDL> help, cgPercentiles(a, percentiles=[0.50], dimension=3)
```

```
<Expression>  FLOAT  = Array[1, 10]
```

What I actually would like to have is a 100x100 array with the 50th percentile calculated accross the third dimension, much like

```
IDL> help, median(a, dimension=3)
```

```
<Expression>  FLOAT  = Array[100, 100]
```

(of course for the 50th percentile I already have MEDIAN, but I want other percentiles.

Am I doing anything wrong and there is a way to obtain what I need?

thanks
JP

On Tuesday, 12 November 2013 02:27:59 UTC+11, David Fanning wrote:

> David Fanning writes:

>

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>

> Cheers,

>

> David

> --

> David Fanning, Ph.D.

> Fanning Software Consulting, Inc.

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> Sepore ma de ni thue. ("Perhaps thou speakest truth.")