Subject: How to identify outliers or short fluctuation signal data from an array of data?
Posted by atmospheric physics on Fri, 13 Dec 2013 16:06:19 GMT
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Hello All,

I have a large array of numbers, but some numbers are so distinct that they shall be considered as outliers. Can I do this with Box-Whisker plot parameters?

Thanks in advance...

Subject: Re: How to identify outliers or short fluctuation signal data from an array of data?
Posted by David Fanning on Fri, 13 Dec 2013 16:17:51 GMT
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Madhavan Bomidi writes:

> I have a large array of numbers, but some numbers are so distinct that they shall be considered as outliers. Can I do this with Box-Whisker plot parameters?

You can certainly do it with the *methods* used to construct the box and whisker plots. The code is transparent. :-)

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: How to identify outliers or short fluctuation signal data from an array of data?
Posted by Andy Sayer on Fri, 13 Dec 2013 22:46:33 GMT
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The sort function might be useful for you (then the elements nearest the ends of the array will be the smallest and largest values). http://www.exelisvis.com/docs/SORT.htmlThe mean, median, and stddev functions may also be useful. It depends on what you want to classify as an outlier.

On Friday, December 13, 2013 11:06:19 AM UTC-5, Madhavan Bomidi wrote:
> Hello All,
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> I have a large array of numbers, but some numbers are so distinct that they shall be considered as outliers. Can I do this with Box-Whisker plot parameters?
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> Thanks in advance...
