Subject: Re: confidence level
Posted by David Fanning on Thu, 19 Jan 2012 23:43:54 GMT
View Forum Message <> Reply to Message

kiss writes:

> I am searching how to calculate the confidence level for contours. I
> have the data sets like this
> amp=(172,51)
> days=172
> ht=51
> I am able to draw a contour, but how to estimate the 90% confidence
> levels for above data sets.
> I am looking for any simple idl code for confidence level

This is just what I remember from a long-ago statistics
class...

But, if you have a large enough sample size (say, more
than 30 samples), then a 90% confidence interval can
be calculated as 1.697 times the standard deviation
of the values in the sample. 95% confidence would
be 2.042 times the standard deviation. This will
depend on how many samples you have, obviously.
The more samples you have, the more confidence you
can have in the numbers. :-)

Cheers,

David

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