
Subject: Re: Negative Variance?

Posted by anniebryant@gmail.com on Thu, 19 Mar 2009 22:10:45 GMT

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On Mar 19, 4:08 pm, Paolo <pgri...@gmail.com> wrote:

> anniebry...@gmail.com wrote:

>> I am using the VARIANCE comand in IDL and am getting negative values.

>> The description in the HELP menu for IDL doesn't provide much

>> information, but from what I know, I thought variance was either an

>> absolute value or a deviation from a squared number, neither of which

>> could yield a negative value.

>

>> I am looking at the variance for 2 different bands in an AVIRIS

>> image. I use the same .pro, just change the band I am looking at.

>> The results for Band 1 (lets call it) make sense: all positive

>> values. For Band 2, I get a lot of negatives.?! How is this

>> possible.

>

>> These are the values for Band 1:

>

>> integer mean std dev minimum maximum n_elements

>> 2633.3 2059.3 0.0000 9367.0 (160686) =

>> 160686

>

>> These are the values for Band2:

>

>> integer mean std dev minimum maximum n_elements

>> 1167.5 18269. -32768. 32767. (160686) =

>> 160686

>

> I don't see any variance here. The only negative number is the

> minimum.

>

> Ciao,

> Paolo

Those are the values of the vector AFTER the variance was computed, it should read Variance_Band1 and Variance_Band2.
