
Subject: Re: Negative Variance?

Posted by [Jean H.](#) on Thu, 19 Mar 2009 22:35:59 GMT

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

anniebryant@gmail.com wrote:

> 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.

How can you get multiple variances for a band?

Jean
