

Re: 'trend value' formula needed

Source: <http://sci.tech-archive.net/Archive/sci.math/2007-01/msg01081.html>

- *From:* "Nick" <tulse04-news1@xxxxxxxxxxx>
 - *Date:* Sun, 7 Jan 2007 11:36:33 -0000
-

"khany" <sharif.khan@xxxxxxxx> wrote in message
<news:1168040754.014065.74570@xx>

matt271829-news@xxxxxxxxxxx wrote:

khany wrote:

matt271829-news@xxxxxxxxxxx wrote:

khany wrote:

Hi all,

hope this isn't too off-topic
but i could really do with
some help

i have, say, at least 5 records
with 3 columns of data
based on
industry activity (so
not pre-determined by me)

the values of the first 2
columns roughly reflect the
value of the
third.

i want to be able to pass in 2
arbitrary values for the first
2
columns
and get a trend/predicted
value for the third back.

Re: 'trend value' formula needed

eg. some records I already
have:

A:22000, B:24, C: 5000
A:36000, B:35, C: 3200
A:56000, B:43, C: 1800

so as A and B increase (not
directly related) C
decreases.

So if I pass in A:39000 and
B:37 what would C be?
more importantly,
whats the formula?

thanks in advance

khany

So, you have two variables A and B, and you think that C is approximately determined by A and B. Based on the data you have, you want to find an equation "C = some calculation involving A and B" that gives the best prediction of C. There is no "formula" that will magically do this for you in all cases; instead there are techniques, which generally come under the name of "regression analysis" (Googling this should throw up plenty of info).

However, if you know, or can reasonably assume, that the "calculation involving A and B" approximately follows some particular form – for example $C = p \cdot A + q \cdot B + r$ for some numbers p, q and r to be determined – then life is potentially easier. Do you have an idea about what the nature of relationship