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Subject: Correlation on log-log? -or- Easy way of removing 0's?

Posted by [Simon de Vet](#) on Fri, 26 May 2000 07:00:00 GMT

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I have been creating scatter plots on a log-log graph, and they look pretty good.

However, I'd like some more accuracy than saying "pretty good". I tried to use CORRELATE, and got some fairly reasonable values. However, since CORRELATE is working with the pure data, scatters that look good on the log-log plot can give some pretty horrendous correlation coefficients.

Therefore, I thought I'd try doing a correlation of the log the data, to get a better impression of what I'm seeing. Of the five data sets, 2 gave better correlations, one got worse, and 2 gave me NaN's.

I think that this may be because some of the values are 0, and this makes my computer explode (metaphorically speaking, of course). Is there an easy way of fixing this problem without loops? Could there be another cause of my problem?

Thanks

Simon

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