Subject: k factor for one-sided tolerance intervals
Posted by reddvl03-news on Mon, 12 Apr 2004 13:59:41 GMT
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Hi,

Anyone know if there are similar IDL functions to compute the k factor
for one-sided tolerance intervals?

The equations are:

k1 = (z(1-p) + sqrt(z(1-p)^2-a*b))/a
where
a=1-(z(1-gamma)^2/(2(N-1))) and b=z(1-p)^2-z(1-gamma)^2/N

Specifically, I'm looking for IDL functions to return z(1-p) and
z(1-gamma) for probability p and probability gamma.

Please reply to newsgroup or to reddvl03-news@yahoo.deletethis.com.

Thanks.

References:
http://www.itl.nist.gov/div898/handbook/prc/section2/prc263. htm
http://www.itl.nist.gov/div898/software/dataplot/refman1/aux illar/tolelimi.htm