
Subject: Re: mean and sdev

Posted by [Alejandro C. Frery](#) on Tue, 10 Mar 1998 08:00:00 GMT

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

Hi,

Though David's reply (the use of MOMENT) function is perfectly correct, that function computes moments up to the fourth order, since it returns the mean, the variance, the skewness and the kurtosis. If you only want the mean and standard deviation, my suggestion is use the STDEV function (hidden and undocumented, I do not know why) .

```
x = RANDOMU(seed, 1000)
std = STDEV(x, m) ; std will store the sample standard deviation and m the
sample mean (optional)
PRINT, std, m
```

Cheers,

Alejandro

Alejandro C. Frery UFPE-DI Recife, PE, Brazil

www.di.ufpe.br/~frery

R. Bauer escreveu na mensagem <34F95952.35B20DF0@fz-juelich.de>...

Hi,

I 'd like to know if a build in function somewhere is available to get means and standard deviations.

I know

it's easy to do something like this:

mean = total(a)/n_elements(a)

but for 100000 values it takes a lot of my time.

Any ideas?

R. Bauer

--

R.Bauer

Institut fuer Stratosphaerische Chemie (ICG-1)

Forschungszentrum Juelich

email: R.Bauer@fz-juelich.de
