
Subject: chisq value

Posted by [gunvicsin11](#) on Mon, 16 Sep 2013 05:11:11 GMT

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Hello everyone,

I am trying to understand what is the chisq keyword means in the routine,
poly_fit,
svdfit
linfit

So I took a simple example, x=[1,2,3,4],y=[1,2,3,4]

when I give

```
p=poly_fit(x,y,1,chisq=c)
```

```
c= 1.14631e-30
```

```
p=svdfit(x,y,2,chisq=c)
```

```
c= 2.86139e-13
```

```
p=linfit(x,y,chisqr=c)
```

```
c=0.00000
```

for poly_fit and linfit the definition of chisq is the same

"Set this keyword to a named variable that will contain the value of the unreduced chi-square goodness-of-fit statistic"

But the chisq values are different in both these cases even though the inputvalues given are same.

Could anyone please let me know what this chisq fit actually means.

Thanking you in advance,

sid
