

Courtesy of Brian Egleston:

-the xtsumcorr output is simply repackaged ANOVA output. See below:

#### XTSUMCORR OUTPUT

```
. xtsumcorr sqrtAFCR
```

Variable	Mean	Std. Dev.	Min	Max	Observations
sqrtAFCR overall	11.40201	2.581871	2	18.7	N = 847
between		1.729903	7.3	15.05	n = 150
within		1.927405	6.102007	17.48534	T-bar = 5.64667
corr. between		<b>1.468682</b>			
corr. within		<b>2.123449</b>			
rho		.3236 (betw. fract. of total)			

#### ANOVA OUTPUT

```
. anova sqrtAFCR id
```

Number of obs = 847      R-squared = 0.4427  
Root MSE = 2.12345      Adj R-squared = 0.3236

Source	Partial SS	df	MS	F	Prob > F
Model	2496.69009	149	16.7563094	3.72	0.0000
id	2496.69009	149	16.7563094	3.72	0.0000
Residual	3142.79647	697	4.50903367		
Total	5639.48656	846	6.66605976		

#### WITHIN VARIANCE

```
. di 4.50903367 ^.5
```

**2.1234485**

#### BETWEEN VARIANCE

```
. di (6.66605976 - 4.50903367 )^.5
```

**1.4686818**