



Usage Note 22133: Computing the factorial of a number

Details About **Rate It**

To compute the factorial of a number, use the DATA step function FACT. For example, the following statement computes 6! :

```
sixfact=fact(6);
```

Alternatively, you can use the GAMMA function to obtain the factorial of a number. For positive integers, GAMMA(X) is (X-1)! . For example, the following statement computes 6! :

```
sixfact=gamma(7);
```

Operating System and Release Information

Product Family	Product	System	SAS Release	
			Reported	Fixed*
SAS System	Base SAS	All	n/a	

* For software releases that are not yet generally available, the Fixed Release is the software release in which the problem is planned to be fixed.

Type: Usage Note
Priority: low
Topic: SAS Reference ==> DATA Step
SAS Reference ==> Functions ==> Mathematical ==> FACT
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