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"bala murugan" <bala2305@gmail.com> wrote in message
news:29ee4ec6-4803-44fd-aa5c-00fc0d2c9376@u21g2000yqc.google groups.com...
> Hi people.
>
> I am new to IDL. This is my first program in IDL. Can somebody point
> out the errors in my code. I have been struggling to get it right.
>
> CODE:
> FUNCTION poissondist,fLambda,N
> r = RANDOMU(SEED,1)
> FOR j=1,N,1 DO BEGIN
arrays are indexed from 0... N-1
> x=poisson(j,fLambda)
> if (x EQ r) THEN a[i]=i
floating point numbers may never be exactly equal.
Use a "if abs(x-r) It 0.0001 then" type of statement
as others have pointed out, 'a' and 'i' do not exist here.
i have no idea what you think "i" should be.
For a you will need to allocate an array inside that function, like so:
FUNCTION poissondist,fLambda,N
a = fltarr(N)
r = RANDOMU(SEED,1)
FOR j=0,N-1 DO BEGIN
.... etc....
> ENDFOR
> RETURN,a
> END
>
>
> In the above code, the function "poisson" was written by me. It is as
> follows,
> CODE:
> FUNCTION poisson,a,b
```

Subject: Re: Help needed!!

Posted by R.G. Stockwell on Fri, 16 Apr 2010 17:48:41 GMT

- $> x = (b^a)/(exp(b)^*factorial(a))$
- > RETURN,x
- > END

in the future, you may want to make sure a and b are passed in before executing that statement. for example:

if n_elements(a) eq 0 then message, 'missing a' if n_elements(b) eq 0 then message, 'missing b'

cheers, bob

PS bonus info.

Make sure that the code for FUNCTION poissondist,fLambda,N is in a file called poissondist.pro, and that it is in your IDL path.

Also, make sure your function: FUNCTION poisson,a,b is in a file called poisson.pro, and that it is in your IDL path.