Subject: Re: step function
Posted by Gray on Wed, 06 Jul 2011 13:27:02 GMT
View Forum Message <> Reply to Message

On Jul 6, 4:29 am, sid <gunvicsi...@gmail.com> wrote:
> On Jul 6, 1:37 am, Gray <grayliketheco...@gmail.com> wrote:
>
>> On Jul 5, 12:24 pm, sid <gunvicsi...@gmail.com> wrote:
>
>>> Hi all,
>>> Please let me know if there is any standard program to use step
>>> function.
>>> thank you
>>> Sindhuja
>
>> In what context do you want to use a step function?
>
> Actually I am using data taken using photographic plates. So there are
> six step wedge, each step wedge transmits light in different way, say
> for example the first step will be the darker than the second one and
> so on as the last step is lightest one. So if I take a column cut
> along the data, I can find six step like profile. Now I need to
> separate each step automatically to proceed further. So I thought if I
> can fit a step function with the data and can find the turn over point
> of each step. Please give some suggestions.
> thanking you
> G.Sindhuja

If I understand you correctly, basically what you want to do is bin
your continuous data based on 6 "steps", i.e. cuts. My suggestion is
value_locate:

steps = [s1,s2,s3,s4,s5]
step_func = value_locate(steps,data)

Your data will now run in integers from -1 to 4 (6 steps).

If this isn't what you meant, then I'm not sure what you're asking.