
Subject: Re: step function

Posted by [Gray](#) on Wed, 06 Jul 2011 13:27:02 GMT

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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.
