
Subject: Stacked Column Bar Plots

Posted by [Ryan](#) on Mon, 07 Apr 2008 20:40:25 GMT

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Hi All,

Does anyone have or know of IDL code that can create stacked bars in one plot? I have percentages that I want to plot so the total height will be the same but I have smaller *stacks* within each column that will have different values. It is a common way of plotting, so I'm sure it's out there I just can't seem to find where.

Thanks,
Ryan.

Subject: Re: Stacked Column Bar Plots

Posted by [Loren Anderson](#) on Tue, 08 Apr 2008 14:40:02 GMT

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Here's what I do. Let's say there are four different subsets of data groups 1 to 4. I plot the entire distribution, then overplot groups 1 to 3, then overplot groups 1 to 2, then overplot group 1. I use `plothist` in the Astronomy library, but you can substitute with your favorite bar plotting program.

```
plothist, [group1, group2, group3, group4]
plothist, [group1, group2, group3], /overplot
plothist, [group1, group2], /overplot
plothist, [group1], /overplot
```

-Loren

On Apr 7, 4:40 pm, "Ryan." <rchug...@brutus.uwaterloo.ca> wrote:

> Hi All,

>

> Does anyone have or know of IDL code that can create stacked bars in one
> plot? I have percentages that I want to plot so the total height will
> be the same but I have smaller *stacks* within each column that will
> have different values. It is a common way of plotting, so I'm sure it's
> out there I just can't seem to find where.

>

> Thanks,

> Ryan.

Subject: Re: Stacked Column Bar Plots

Posted by [Ryan](#) on Tue, 08 Apr 2008 17:54:51 GMT

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Loren Anderson wrote:

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> groups 1 to 4. I plot the entire distribution, then overplot groups 1
> to 3, then overplot groups 1 to 2, then overplot group 1. I use
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> favorite bar plotting program.

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> plothist, [group1, group2, group3, group4]
> plothist, [group1, group2, group3], /overplot
> plothist, [group1, group2], /overplot
> plothist, [group1], /overplot

>
> -Loren

Thanks Loren,

I've actually found that BAR_PLOT allows you to "adjust" the location where you start drawing the bar with the BASELINES keyword. I've written it up but haven't tested it yet.

Plotting all the groups and gradually reducing the groups is a good idea. I had never thought of that. If my method does not work out I'm sure to use it =)

Thanks again,
Ryan.
