
Subject: Re: Histogram problem

Posted by [Markus Schmassmann](#) on Thu, 15 Dec 2016 14:16:47 GMT

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On 12/14/2016 05:10 AM, priyamalik484@gmail.com wrote:

> I have two histograms, I want to overplot both, but y-axis scaling of
> these two histograms are very different such that when I am
> overplotting them the feature of one is completely getting suppressed.
> So someone advised me plot normalized histograms, can any one suggest
> me how to do that in IDL??

Hi,

```
h1=histogram(...)
```

```
h2=histogram(...)
```

```
hn1=h1/total(h1)
```

```
hn2=h2/total(h2)
```

```
b1=barplot(hn1,index=0,nbars=2)
```

```
b2=barplot(hn2,index=1,nbars=2,fill_color='b',overplot=b1)
```

for more details on formating, see

<http://www.harrisgeospatial.com/docs/barplot.html>

or alternatively if you don't need the normalization and just want to
fit both histograms with appropriate scales into the same graphics

```
b3=barplot(h1,index=0,nbars=2,yrange=[0,max(h1)*1.1])
```

```
b4=barplot(h2,index=1,nbars=2,yrange=[0,max(h2)*1.1], $
```

```
    overplot=b3,fill_color='b')
```

```
a2=axis('y',target=b4,location=right,textpos=1,color='b',showtext=1)
```

for details on additional axes, see

<http://www.harrisgeospatial.com/docs/AXIS.html>

Both versions are not tested, but should at least give you an idea how
to proceed.

Good luck, Markus
