
Subject: Stacked column chart

Posted by [Giorgio](#) on Mon, 24 Jul 2017 10:52:40 GMT

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Hi there,

is there a way to create a stacked column chart (something like this)? I had a look at the Scatter functions but it seems that only basic column chart (one value) is supported.

Thanks,

Gio

Subject: Re: Stacked column chart

Posted by [koldo](#) on Sun, 30 Jul 2017 09:58:21 GMT

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Hello Giorgio

Probably the easiest way is to overlap the column charts, preparing them so that if they are a, b and c, to plot:

$a'=a$

$b'=a+b$

$c'=a+b+c$

Anyway if you propose a simple way to include this in actual interface, it could be implemented immediately.

Subject: Re: Stacked column chart

Posted by [Giorgio](#) on Mon, 31 Jul 2017 10:33:22 GMT

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Hi Koldo,

I did it manually similarly as you proposed: it was not much work, I was only wondering if something already existed and I missed it; for me the current library it is ok.

Thanks,

Gio

Subject: Re: Stacked column chart

Posted by [koldo](#) on Mon, 31 Jul 2017 20:57:19 GMT

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Hello Giorgio

May it be done by defining some data series as "stacked" so that when painted into a

ScatterDraw/ScatterCtrl, the plots would be drawn one over the next one (stacked)?

Subject: Re: Stacked column chart
Posted by [Giorgio](#) on Wed, 02 Aug 2017 13:11:23 GMT
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Hi Koldo,
I have in mind something as the following.

This structure contains, the x position where to place each stacked columns and a list of the values to be stacked; for instance if values contains 3; 2.5; 1.2; 0; 3.1 the column will have the first segment that goes (in the y axis) from 0 to 3, the second from 3 to 5.5, the third from 5.5 to 6.7 etc.

```
struct StackedValues {  
    double x_position;  
    Vector<double> values;  
};
```

Then a method that places the stacked column in the control.

```
scattercontrol.AddStacked(StackedValues stcv)
```

The above method has to be invoked for each of the stacked columns. The case in which values are in different number (e.g. first time the use calls the method passing a vector of 5 elements, second time the vector has 6 elements) should be managed in some way e.g. if values are missing it assumes they are zeros. Nice to have are a method to control the color of the segment and a method to add a legend and give a name to the segments (e.g. the legend will show the color of each segment and close to it a description of what the segment represents <http://6.anychart.com/products/anychart/docs/users-guide/img/Samples/sample-stacked-column-chart.png>).

Subject: Re: Stacked column chart
Posted by [koldo](#) on Thu, 03 Aug 2017 08:24:10 GMT
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Hello Giorgio

It is not possible to use struct StackedValue without doing major changes because ScatterDraw is based in DataSeries to insert series of data to be plotted.

I propose you to add BeginStacked() and EndStacked() to indicate that next series added are going to be stacked. This way the same plot could mix stacked series with any other.
Is it OK?

Subject: Re: Stacked column chart
Posted by [Giorgio](#) on Thu, 03 Aug 2017 08:32:49 GMT
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I see... if that is the case, it is OK for me.

Subject: Re: Stacked column chart
Posted by [koldo](#) on Sun, 31 Dec 2017 16:29:35 GMT
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Hi Giorgio

Stacked plots are now included. Please see ScatterCtrl_demo.

The way to do it is different. It is based in the new DataStackedY DataSeries.

Subject: Re: Stacked column chart
Posted by [Giorgio](#) on Mon, 15 Jan 2018 08:27:04 GMT
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Hi Koldo,
thank you for the effort you put on this, here some feedback from my side.

My goal was to have something like this:

At the beginning I was a little bit confused because there is probably a typo in your code; you wrote:

```
scatter.AddSeries(stacked.Get(2)).Legend("s1").Fill();  
scatter.AddSeries(stacked.Get(1)).Legend("s2").Fill();  
scatter.AddSeries(stacked.Get(0)).Legend("s3").Fill();
```

while should be

```
scatter.AddSeries(stacked.Get(2)).Legend("s3").Fill();  
scatter.AddSeries(stacked.Get(1)).Legend("s2").Fill();  
scatter.AddSeries(stacked.Get(0)).Legend("s1").Fill();
```

After fixing that everything is much clearer. It is much easier now to create a bar graph. It would be nice if it was possible to add the value/percentage of each section inside the section itself, as

in the pie chart.

Regards,
Gio

Subject: Re: Stacked column chart
Posted by [koldo](#) on Tue, 16 Jan 2018 07:48:48 GMT
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Hi Giorgio

I agree with your fix.

Quote:It would be nice if it was possible to add the value/percentage of each section inside the section itself, as in the pie chart.Could you include an example?

Subject: Re: Stacked column chart
Posted by [Giorgio](#) on Tue, 16 Jan 2018 10:05:39 GMT
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Could be the same example as in the pie chart but stacked.

Subject: Re: Stacked column chart
Posted by [koldo](#) on Wed, 17 Jan 2018 10:06:07 GMT
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Giorgio wrote on Tue, 16 January 2018 11:05Could be the same example as in the pie chart but stacked.Sorry Giorgio. Could you include a picture?

Subject: Re: Stacked column chart
Posted by [Giorgio](#) on Thu, 18 Jan 2018 08:45:40 GMT
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Hi Koldo,
currently the application we developed creates a CSV file and then, using excel, we create a graph as follows.

<https://pasteboard.co/H3t7Glw.png>

The goal is to avoid using excel.

Regards,
Gio

Subject: Re: Stacked column chart

Posted by [koldo](#) on Sun, 21 Jan 2018 15:54:44 GMT

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OK, I understand.

I will try to do something to include it.
