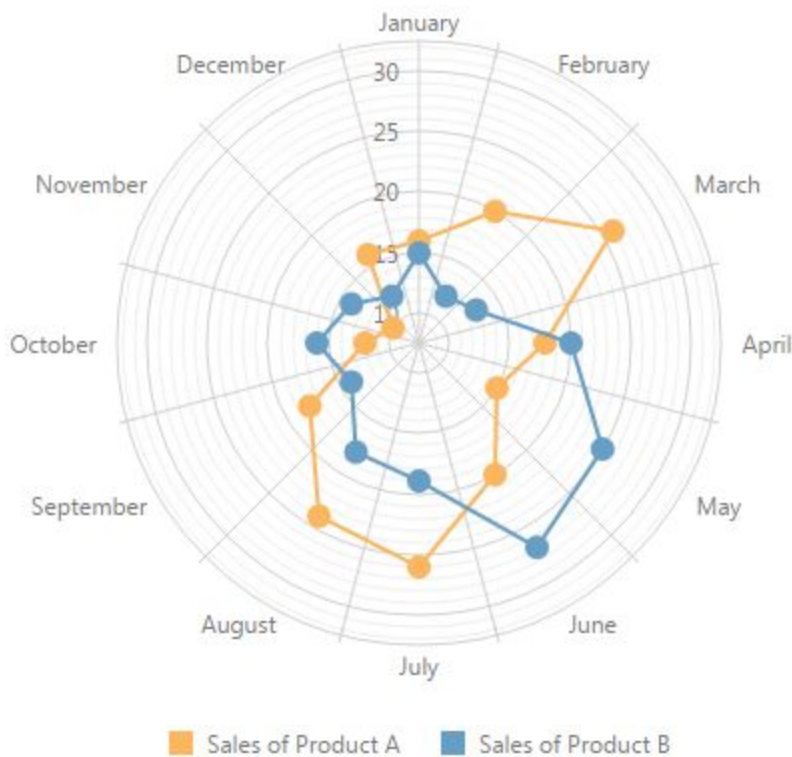


DevExtreme: New and Improved Visualization Tools

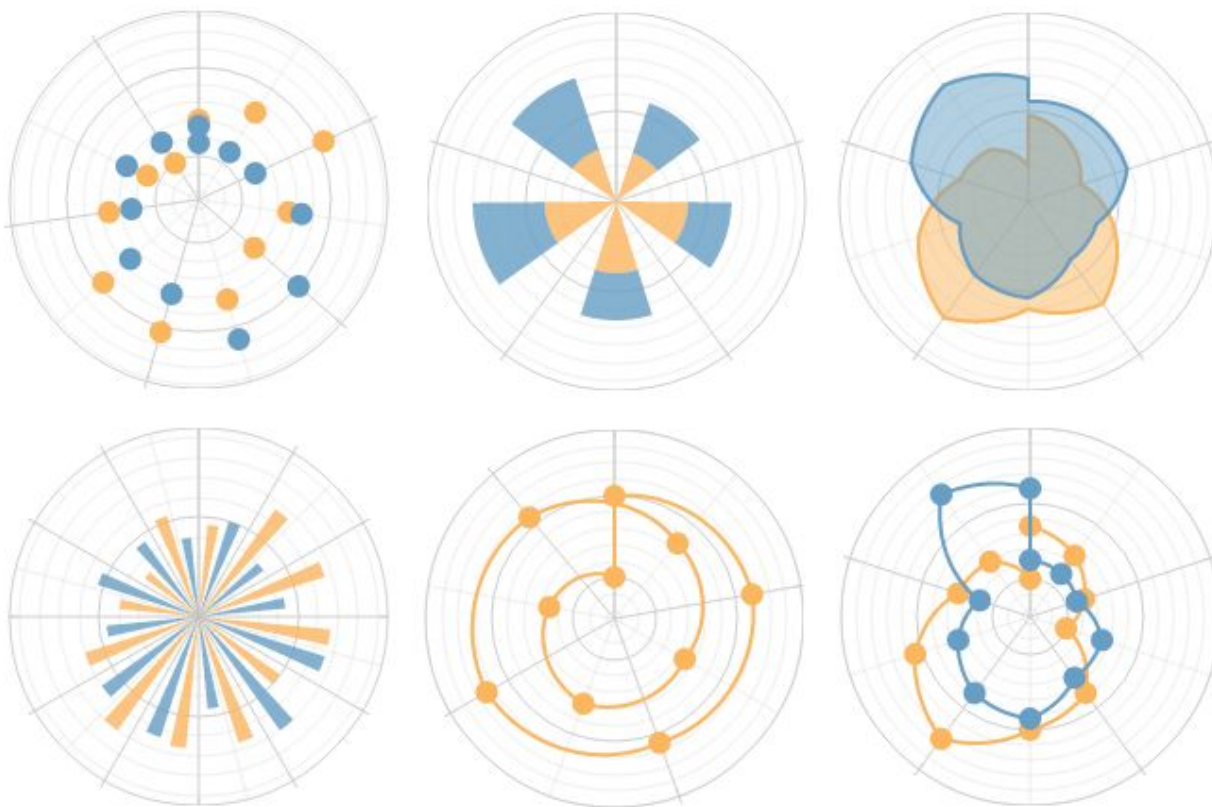
In the upcoming release 14_2, we enlarged the DevExtreme Data Visualization library with many new charts types, added new user experience capabilities and dramatically improved performance. Below, I will show off you the most noticeable major features.

New **dxPolarChart** widget

While charting you may meet such data where values are given across a cyclically repeating argument. To help you display such data more effectively, we introduce you to our new widget - the **dxPolarChart** widget. Using polar coordinates, you can show values related to a each argument cycle as points each displayed in a corresponding circle sector and having a radius proportional to the value itself. When you have several series, this widget allows end users to compare values just looking at the resulting polygons.



A variety of the series types supported in this widget gives you flexibility in choosing the most appropriate chart.



New in dxChart Widget

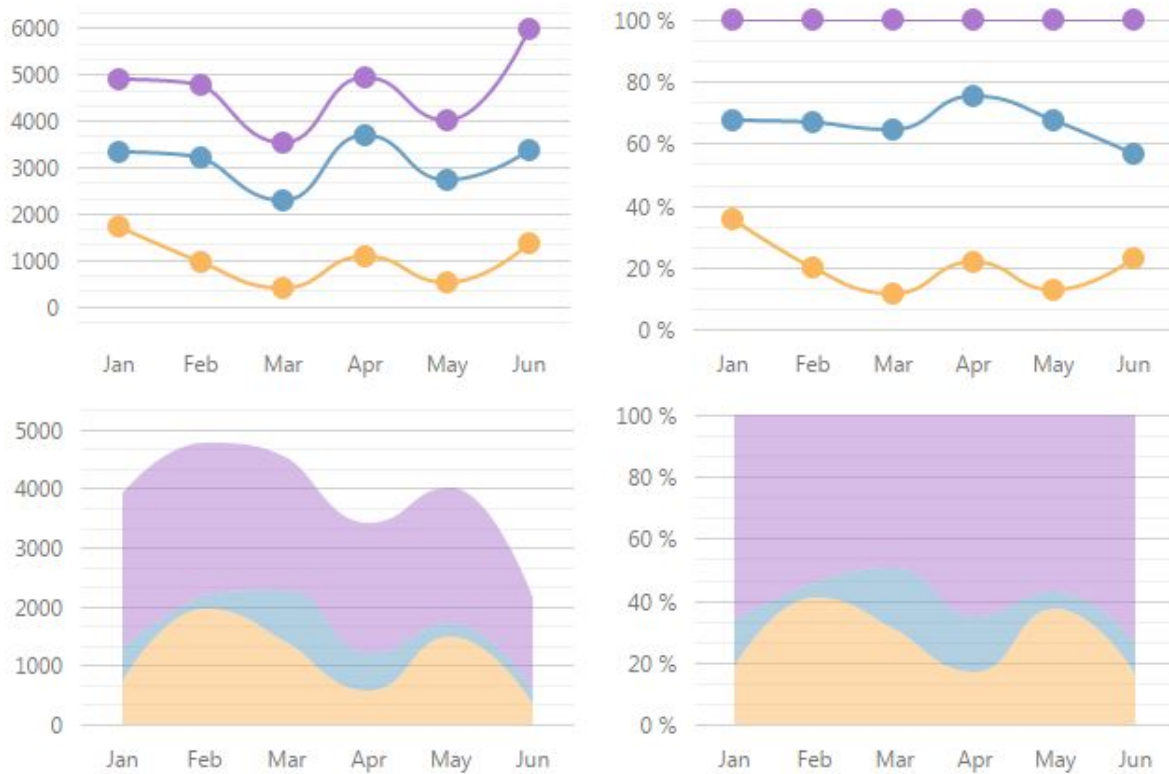
Error Bars

In this release, we started working with statistical capabilities in our charts. As a result, you can now try our new Error Bars. They will help you map data that contains values with deviation, as well as use standard statistical functions for calculating value errors, deviation and variance.



New Series Types

We topped up the widget's series type collection with stacked and full stacked versions of splines and spline areas.



Zooming and Scrolling

Previously, we recommended that you use our Range Selector widget to zoom and scroll charts with a long argument axis. In this release, we introduce you to an alternative approach to zoom and scroll charts. While the Range Selector remains to be effective and appropriate for many tasks, the new approach allows you to use touch gestures and a built-in scroller, which is helpful for sites running on touch devices.

New Features in dxVectorMap Widget

The dxVectorMap areas now may have labels. In addition, you can now use color differentiation of areas to demonstrate the values of a particular parameter that characterizes areas.



To illustrate a particular parameter given for markers in the data source, you can use color and size differentiation of markers.



As you can see, you can now add a legend to the Vector Map widget to provide details on used color and size diapasons.

Improved Performance

In each release version, we are looking for a new possibility to improve performance and increase our chart drawing speed. This release has not become an exception in this practice. All our widgets now work faster up to 50 percent than in 14_1 version because of rendering modifications and significant improvements.

Learn More about Other Improvements

We prepared many others features and improvements for making charts more effective and convenient. You can learn about them in What's New and our demos.