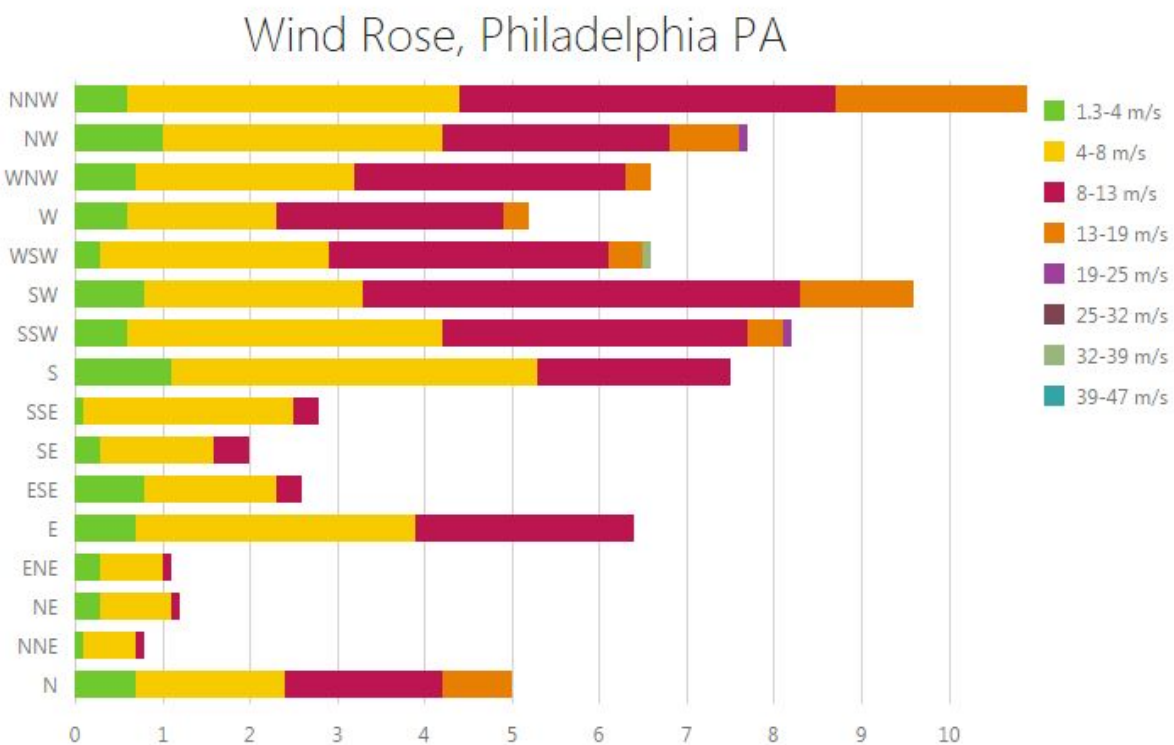


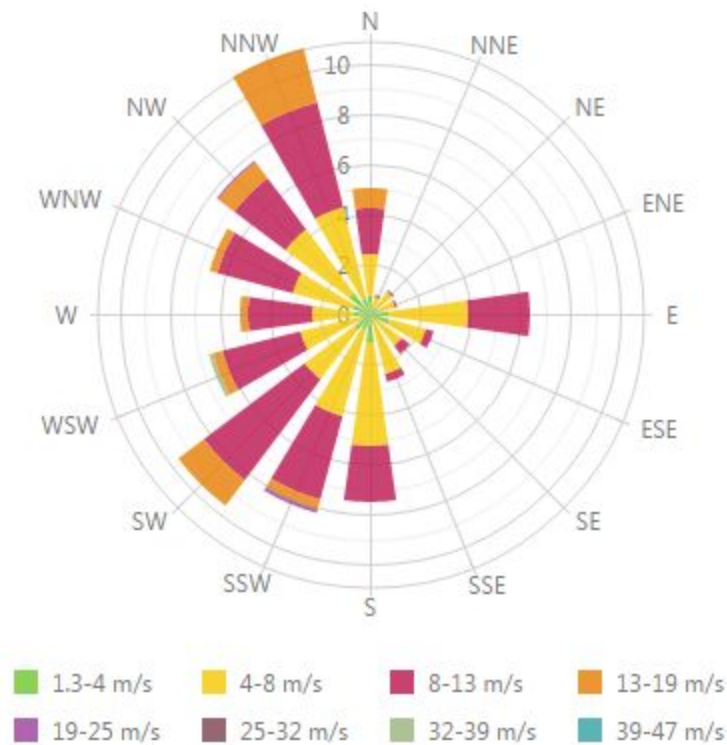
Why the Polar Chart is So Useful?

In the release 14.2, we extended the DevExtreme Data Visualization library with many new chart types. One of them is a polar chart introduced as a separate `dxPolarChart` widget. This widget displays chart data in a polar coordinate system. The polar charts look very interesting but we should understand when it is better to use them versus ordinary charts built in a rectangular coordinate system. Let's discover when a polar chart is more appropriate and efficient.

The most popular case where a polar chart is usually applied is a wind rose. Let's just compare how a wind rose would look in a rectangular coordinate system and how it is often displayed in a polar system.

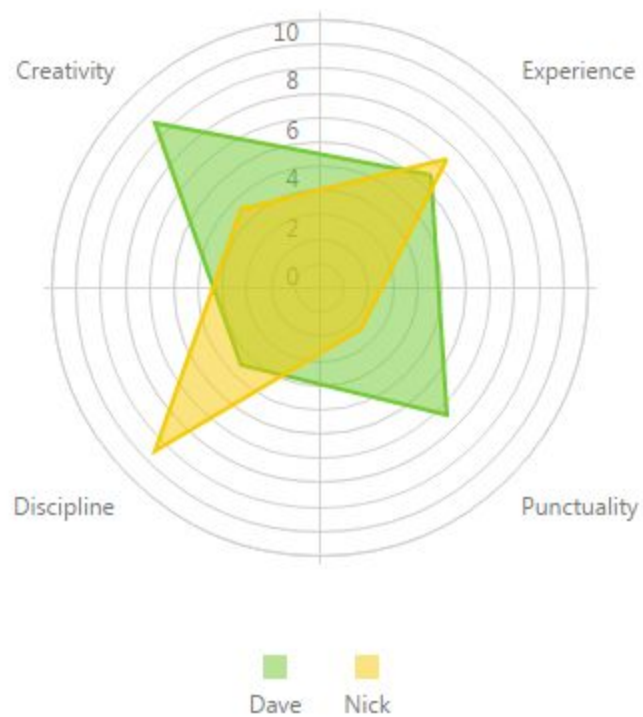


Wind Rose, Philadelphia PA



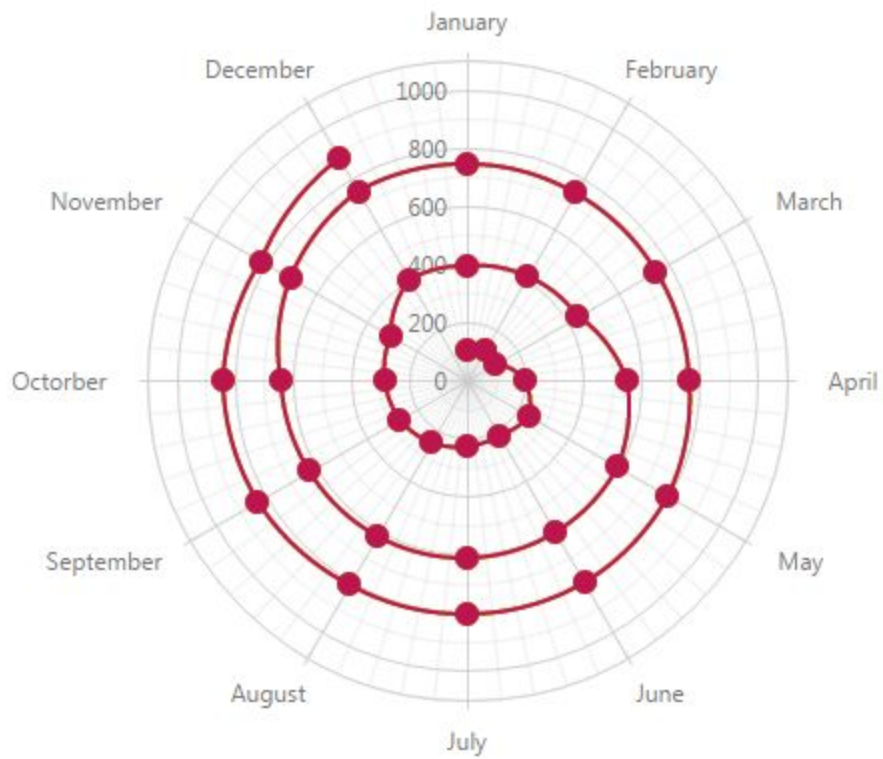
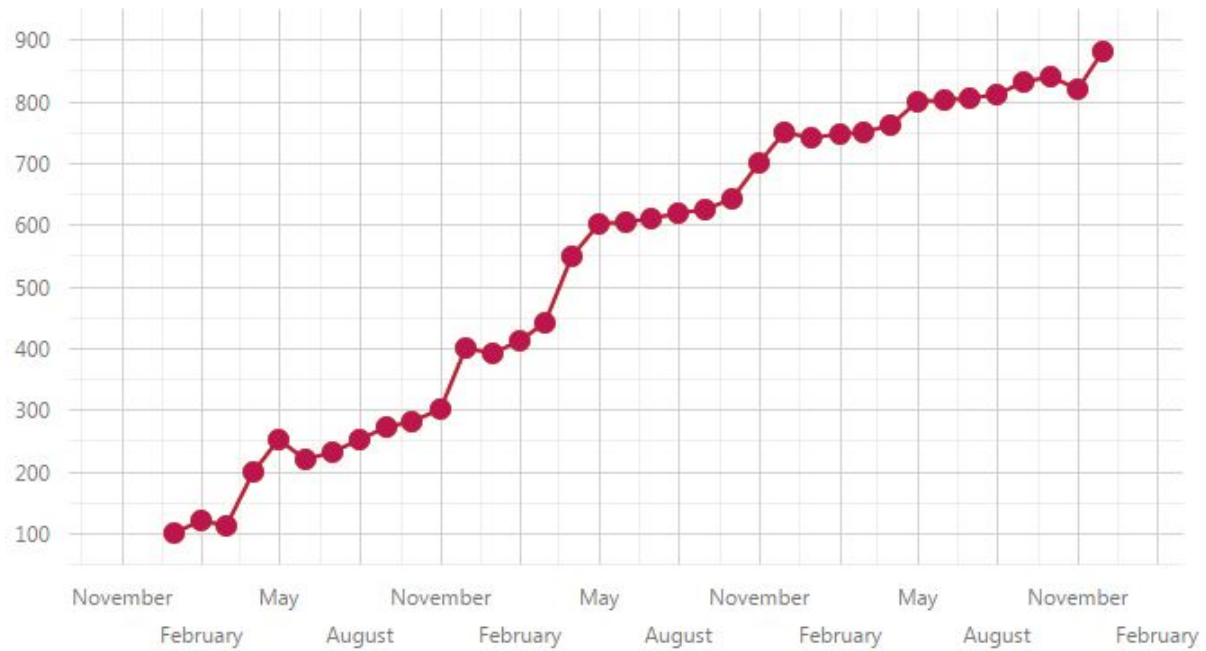
As you can see, the polar chart is more efficient in understanding how often a wind blows from particular direction and estimating which range of wind strength prevails.

The example with a wind rose showed that polar charts are very useful for comparison of some parameters. In the example below, you can see how it is easy to estimate characteristics of some analysis on a polar chart.



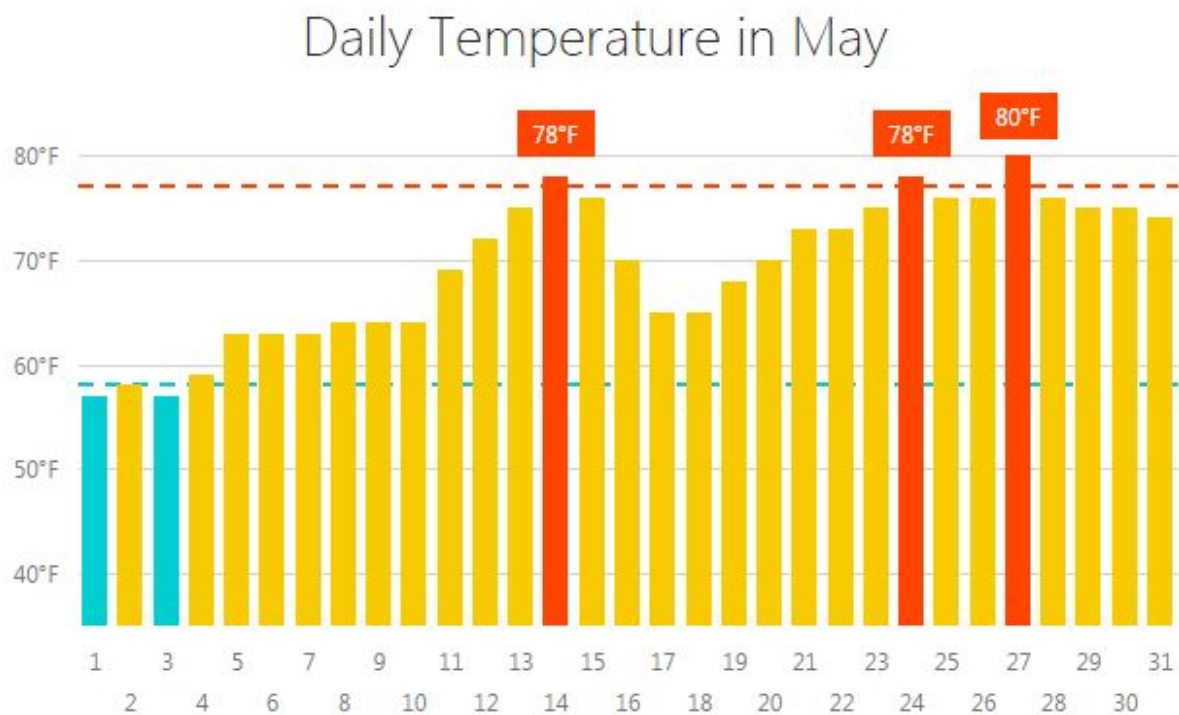
Just looking at this chart, you can compare an experience, punctuality, discipline and creativity of the given two persons.

Now, let's consider the data where values are given across a cyclically repeating argument. Look at the following two charts that present information about product sales for three years.



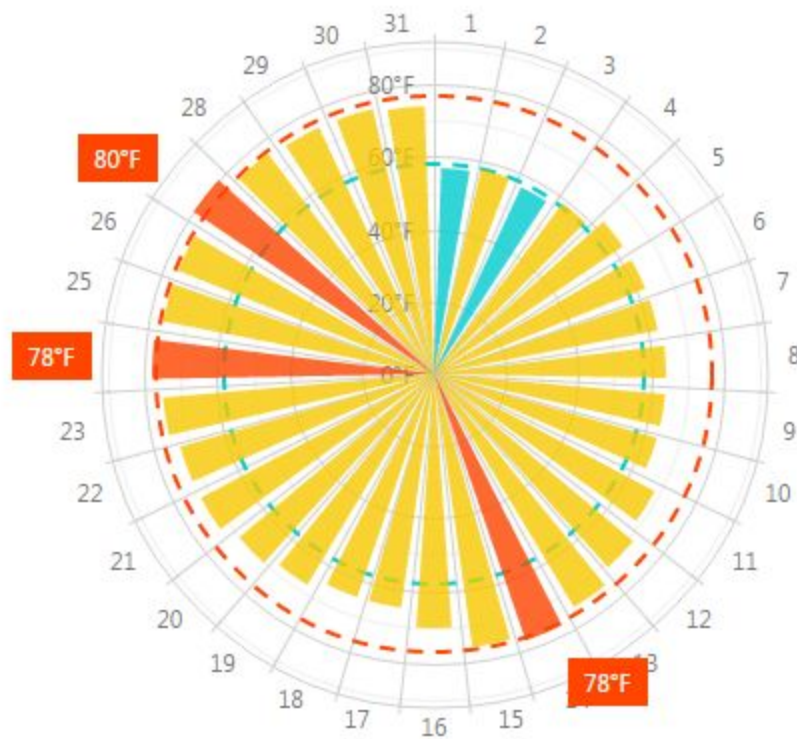
No doubt, the polar chart is simpler to understand a trend and to compare production for each year in each month.

Finally, I want to say that polar charts are pretty enough to use them within rectangular charts. Polar charts could break the monotony in ordinary charts and attract attention to some data in your analysis. Let's look at this simple chart.



This chart can be replaced with a polar chart without any loss in data presentation effectiveness.

Daily Temperature in May



As you can see, polar charts look just exciting making your data more interesting and impressive. Using our new `dxPolarChart` widget, you can build such charts easy and quickly! To learn more about this widget, please refer to our [\[demos\]\(\)](#) and [\[documentation\]\(\)](#).

As always, we welcome your comments and feedback. Let us know what you think. Happy charting!