MAPS IN XCELSIUS

水晶易表里的地图控件

In this video I am going to show you how to use Xcelsius map components. And I am gonna show you a small demo on how to create a map component and then bind to the data, at the same time, drive a chart based on the selection on the map. Basically, we gonna create an interactive map which drives a column chart.

在这个视频中，我将要给你们展示水晶易表的地图控件。我将给你们展示一个案例有关于如何建立一个地图控件，并且连上数据，同时，根据地图上选择的显示不同柱状图表，呈现出地图控件和柱状图的互动。

Maps are widely used in dashboard these day, interactive maps and Flash are widely used, geographical significance of information is upmost importance for many organizations, expanding across varies of countries or states or continents, in such case, so enabling dashboard for such organization or matrix, one of the requirement might be using map for a easy picking of the geography instead of giving them a drop down, giving the users a map would be more interactive and intuitive.

现在地图被广泛的在仪表盘中使用，互动地图和 Flash 技术也被广泛使用。地理信息在很多公司组织中占到举足轻重的地位，包含了不同国家，州 和大陆的信息，这样一来，下拉菜单选项并不能满足用户简单使用仪表盘选择地理信息，给客户提供一个互动直观的地图会更加有帮助。

Xcelsius comes with a variety of maps, if you go to the components and expand the map categories, you can see variety of maps from countries by regions to countries, by states to continents and entire world map etc. I would encourage you to go head and explore each of the map, but for this example, we gonna show you how to create a simple USA map and bind to outline data to drive a column chart.

水晶易表提供了许多不同的地图，如果你点击地图控件扩展地图目录，你能看见大量的世界地图，从地区到国家，州到大陆和整个世界的地图，等等。我建议你亲自查看每个地图。但是在这个展示中，我将要给你展示如何建立一个简单的美国地图还有把数据链接到地图控件并显示到一个柱状图中。

So all Xcelsius map components comes with pre-built regions, so working with maps of United States, the region could be various state, so let's go and quickly drag and draw USA map onto the canvas . Before that we go head and look outline spreadsheet, I have the states with average revenue, at the same time, I have the revenues for every month to feed my column chart we should design.

所有的水晶易表地图控件件都有预先定义好的区域，所以当我们在使用美国地图时，区域可能在任意一个州。我们快速把美国地图拖拽到到帆布界面上，在之前，我们先看看大纲电子表格，我有每个州的平均收入，同时，我有每个州月收入给柱状图提供数据。

For now let's focus on the map, so I just drag and drop the map onto the canvas, and at first to define my region keys, on maps my region keys to the state abbreviations, the short names, the two letters short names of the state, which would automatically put region keys next to the region, so for Alabama is AL, Alaska is AK, etc.

现在我们先注意在地图上，我先拖拽地图到 画布上，首先我们先找区域关键字，在地图上区域关键字就是指州的缩写，州的两个字母的缩写。它们会被自动放到区域旁边，比如阿拉巴马州就是 AL, 阿拉斯加州就是 AK,等等。

So you need to be careful while organizing or arranging the list of keys because if your data returns in different order, you need to make sure that you know, it's an alphabetic order of the state names. Since we have the region keys set, now we will go ahead and give display data, display data is not seen but the data which you see when you hover over state.

所以当你组织或安排区域列表时需要小心，因为你的数据以不同的顺序返回，你需要确定你知道这些，它们是按照字母表的顺序来排列州的名字的。既然我们都设好了区域，现在我们只要展示数据就好，展示的数据只有在你的鼠标移到每个州上会对应显示出来。

So let's give it as average revenue, once that's done, we gonna set the insertion type to feed our column chart, we would like to insert the selected states rows from the source data into the destination cells which we have colored in yellow on the top.

现在该我们给它平均收入了，一旦搞定，我们将要根据柱状图来设置数据动态提供。我们想要从源数据中选好的州的插入目标格，已经标注黄色的单元格里。

So we have the chart, if you observe the first state is selected by default, you can always change option if you want to, you always can go to behavior and change the default selected states, for example, your primary focus on California, always go and change the regions, for now we will keep it as the first states that is Alabama.

我们的图弄好了，你可能注意到第一个被选的州是默认的，但是你愿意的还你可以改变你的选项。你可以到"行为"中改变默认选择的州，比如说，你主要关注是加州。现在，我们还是把第一个州改成阿拉巴马州。

We have the map already, so let's do a quick preview, there you go, and we hover over and I see the displayed data which we have mapped. And when I click what's happening on the background, inserting selected states data into the yellow cells, so let's go and map a column chart to the yellow cells, so that become dynamic.

地图弄好了，我们快速预览一下，我们可以看到地图上展现的数据。而且当我鼠标划过区域时，插入的数据在黄色的单元格中显现，现在我们根据黄色的单元格来规划，它们变成动态的。

Open the Charts category, select the column chart, put it on the canvas, add series, give the series name as state short name, values as revenues and labeled as month name. So we can give the chart title as Revenues by State, and also the subtitle as the state name. So in no time, we have the map and column chart, interactive. So we can go and preview see what happens, so it's Alabama, if I switch to Texas, the chart changes. Chart becomes dynamic based on selected states; you can see the numbers of that states.

打开"图表"目录，选择柱状图，把它放到画布上，增加系列，给系列取州的缩写名字，价格是收入，标签为为月名。现在我们给图的题目取名为州的收入，子标题为州缩写。很快我们有了互动的地图和柱状图。我们可以预览以便观察，这是阿拉巴马的情况，这是我跳到德州，看，图表相应的改变了。根据选择的州，图表变得动态，你也可以看到数字也在变化

It's pretty easy that they have predefined regions for each Xcelsius components. Go and explore more. Thank you for watching.

使用水晶易表控件就真的很容易创建和找到特定的区域。谢谢观看。