

TREND ANALYZER COMPONENT IN XCELSIUS 2008

趋势分析仪组件

Hello and welcome to My Xcelsius.com videos, in this video, I am gonna show you how to use trend analyzer component in Xcelsius 2008 to create a trend line. The trend analyzer component comes out of box component in Xcelsius 2008. This component analysis data selection and for wide additional data series, it can be plotted to display a trend line.

大家好，在这个视频中我将要告诉你们如何在 Xcelsius 2008 中使用趋势分析仪去创建趋势线。这个趋势分析仪组件在 Xcelsius 2008 的盒组件里。这一分析组建可以分析数据选择，并可扩展到其它各种数据系列，用来绘制趋势线。

For this example, I am using a User Guide Sample. You can always find user guide sample under File, Samples, click the User Guide Samples on the category and you can see all the items. This is a great place to learn basic Xcelsius. For now, we gonna create a trend line from scratch using trend analyzer component 2008. Before preceding any Xcelsius2008 model, you need to import an excel data. For that, I have already had a excel data file already. So I am gonna go and imported it, either you can use data tab from the menu or you can use small icon to import the spreadsheet.

这个例子中，我是用的是用户指南样本。你可以在“文件”、“样本”下找到“用户指南样本”，还能看到其他各种类型的样本。它可以很好地帮你学习 Xcelsius 的基础知识。现在，我们将用趋势分析仪组件，从头开始创建一个趋势线。我们要先导入 Excel 数据，然后来处理模型。我已经准备好了 excel 数据文件，可以导入了，你既可以使用菜单的数据选项卡或者使用小图标来导入电子表格。

I prefer to use small icon here so I click on import the spreadsheet and I have a trend analyzer spreadsheet ready, import to my spreadsheet model. As a best practice, I create two sheets within my workbook, one for the labels and one for the data. Let's have a quick look at the data which we gonna use in this example, for that, we simply change the view from workspace to spreadsheet. We gonna use the top price data from 2005 to 2006 and plot a trend against price. So we have two year data and see how it trended during those two years. Let's switch to our workspace model, so that I can see canvas as well as the spreadsheet.

我偏好用小图标，我现在点击“导入电子表格”。现在把趋势分析仪的电子表格导入我的电子表格模型。我在工作簿中建立了两个表，一个放标签，一个放数据。我们先看我们要用的数据。我先把我们的视图从工作站转到电子表格。我们要使用的是 05 到 06 年的最高价数据，据此绘制价格趋势。我们现在有两年的数据，然后我们看两年以来的趋势。我们切换回工作站模式，所以我可以同时看到画布界面和电子表格。

And for this example, we gonna use two components, one is chart, which I am gonna show you the trend, so we will use combination chart to show the actuals as the column chart and trend as the line chart. And we gonna use Trend component, the Trend Analyzer component which you can always in "other category". So first, let's bind the actual data to our Combination chart. Let's give the chart title, we already have titles in the label worksheet, we will simply select title cell and bind to chart title. And bind the subtitle by month and bind the actual data by adding a series. As price, selecting white values as price, and axis labels as date.

在这个例子中，我们将使用两个组件，一个是图表，它是用来展示趋势图的，我们将使用组合图表，实际数据以柱形图显示，趋势则以折线图显示。我们使用趋势组件，就是趋势分析仪组件，你可以在“其他种类”里找到。所以首先，我们先结合实际的数据到组合图里。给这个图命名，因为在标签工作簿中已经有了标题，所以我们只需把标题单元格和图表标题结合就好。还要粘合月和副标题，把实际数据加入序列。对于价格，我们选择白色的价值和 Excel 中的标签作为日期。

There we are, we have the basic column chart. They look strike together, so let me do a little bit formatting here for better view. They just look better. So let's bind some data to Trend Analyzer component, and then go to properties and I am gonna let Trend Analyzer component to know which data to pick from, so I am gonna select the price data, to analyze my price data to give me a trend. You can choose from any of these five different trend types here, in this example, I am gonna choose the linear and I am gonna ask trend analyzer component to insert analyzed trend into the trend column.

我们的柱形图好了，它们看起来有点太密，我先做点小的格式调整。它们看起来好多了，我们现在把一些数据和趋势分析仪组件粘合起来。在“属性”里我让趋势分析仪组件知道它要挑选哪个数据，所以我点击价格数据，分析我的价格数据从而给出趋势。你可以从这里的五种趋势类型里任选一个，在这，我是用的是线状的。我用趋势分析仪组件来把分析的趋势插入趋势列里。

That's done and so the next step is to create a trend line. Since we are using a Combination chart, we can create different types of chart within single chart component. So I am gonna add another series and name it, bind the name to the trend cell. We gonna give the white values as these insert values from the trend analyzer component. Now you may not notice you don't see a trend line yet, don't worry about it. Let's see what it does if you do a preview on this, there you go two things to know, trend line displayed as well as trend analyzer component are gone. So the trend analyzer component is basically for design model where you can bind your data and select your trend type etc. where as you go to the preview mode, it actually executes the functionality and show a trend line. And this line is from destination cells under trend column. So that's it.

下一步我们来建立趋势线。既然我们使用的是组合图，你可以用单图表组件来建立不同的图表类型。我增加了一个序列并且命名了，和趋势单元格粘合。我们把白色的价值作为从趋势分析仪组件的插入价值。你现在可能看不到趋势线，不用急，我们预览一下。现在我们可以知道两样东西，趋势线出来了，趋势分析仪组件消失了。所以说，趋势分析仪组件主要是用来设计

模型的，你用它来粘合你的数据和选择你要的趋势类型。当你到预览视图下，它实现了这一功能，并展示了趋势线，这个线就是从趋势列的终点单元格中出来的。