

How to add surface chart with spreadsheet sdk in C# using ByteScout Data Extraction Suite

Learn to code in C# to add surface chart with spreadsheet sdk with this step-by-step tutorial

The documentation is designed for a specific purpose to help you to apply the features on your side. What is ByteScout Data Extraction Suite? It is the set that includes 3 SDK products for data extraction from PDF, scans, images and from spreadsheets: PDF Extractor SDK, Data Extraction SDK, Barcode Reader SDK. It can help you to add surface chart with spreadsheet sdk in your C# application.

The SDK samples given below describe how to quickly make your application do add surface chart with spreadsheet sdk in C# with the help of ByteScout Data Extraction Suite. Follow the instructions from scratch to work and copy the C# code. Further improvement of the code will make it more robust.

The trial version of ByteScout Data Extraction Suite can be downloaded for free from our website. It also includes source code samples for C# and other programming languages.

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Source Code Files:

```

using System;
using System.Diagnostics;
using Bytescout.Spreadsheet;
using Bytescout.Spreadsheet.Charts;

namespace CSharp
{
    class Program
    {
        static void Main(string[] args)
        {
            // Create new Spreadsheet object
            Spreadsheet spreadsheet = new Spreadsheet();
            spreadsheet.RegistrationName = "demo";
            spreadsheet.RegistrationKey = "demo";

            // Add new worksheet
            Worksheet sheet = spreadsheet.Workbook.Worksheets.Add("Sample");

            // Add a data for Surface chart
            int count = 10;
            double step = 2 * Math.PI / (count - 1);
            for (int i = 0; i < count; i++)
                for (int j = 0; j < count; j++)
                    sheet[i, j].Value = Math.Sin(step * Math.Sqrt(i * i + j * j));

            // Add charts to worksheet
            Chart surfaceChart = sheet.Charts.AddChartAndFitInto(11, 1, 28, 8, ChartType.Surface);
            for (int i = 0; i < count; i++)
                surfaceChart.SeriesCollection.Add(new Series(sheet.Range(0, i, 9, i)))

            surfaceChart = sheet.Charts.AddChartAndFitInto(11, 10, 28, 17, ChartType.Surface);
            for (int i = 0; i < count; i++)
                surfaceChart.SeriesCollection.Add(new Series(sheet.Range(0, i, 9, i)))

            surfaceChart = sheet.Charts.AddChartAndFitInto(29, 1, 46, 8, ChartType.Surface);
            for (int i = 0; i < count; i++)
                surfaceChart.SeriesCollection.Add(new Series(sheet.Range(0, i, 9, i)))

            surfaceChart = sheet.Charts.AddChartAndFitInto(29, 10, 46, 17, ChartType.Surface);
            for (int i = 0; i < count; i++)
                surfaceChart.SeriesCollection.Add(new Series(sheet.Range(0, i, 9, i)))

            // Save it as XLS
            spreadsheet.SaveAs("Output.xls");

            // Close the document
            spreadsheet.Close();

            // Open generated XLS file in default associated application
            Process.Start("Output.xls");
        }
    }
}

```

VIDEO

<https://www.youtube.com/watch?v=NEwNs2b9YN8>

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