

How to add column chart in C# and ByteScout Spreadsheet SDK

The tutorial below will demonstrate how to add column chart in C#

ByteScout tutorials are designed to explain the code for both C# beginners and advanced programmers. ByteScout Spreadsheet SDK is the library (SDK) that is capable of writing, reading, modifying and calculating Excel and CSV spreadsheets. Most popular formulas can be calculated and recalculated with Excel installed. You may import or export data to and from CSV, XML, JSON as well as to and from databases, arrays. It can be used to add column chart using C#.

You will save a lot of time on writing and testing code as you may just take the C# code from ByteScout Spreadsheet SDK for add column chart below and use it in your application. Follow the instructions from the scratch to work and copy the C# code. Code testing will allow the function to be tested and work properly with your data.

You can download free trial version of ByteScout Spreadsheet SDK from our website to see and try many others source code samples for C#.

C# - Program.cs

```
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 few random numbers
            int length = 10;
            Random rnd = new Random();
            for (int i = 0; i < length; i++)
            {
                sheet.Cell(i, 0).Value = rnd.Next(10);
            }
        }
    }
}
```

```

        sheet.Cell(i, 1).Value = rnd.Next(10);
    }

    // Add charts to worksheet
    Chart columnChart = sheet.Charts.AddChartAndFitInto(1, 3, 16, 9,
ChartType.ColumnClustered);
    columnChart.SeriesCollection.Add(new Series(sheet.Range(0, 0, length - 1,
0)));
    columnChart.SeriesCollection.Add(new Series(sheet.Range(0, 1, length - 1,
1)));

    columnChart = sheet.Charts.AddChartAndFitInto(1, 10, 16, 16,
ChartType.ColumnStacked);
    columnChart.SeriesCollection.Add(new Series(sheet.Range(0, 0, length - 1,
0)));
    columnChart.SeriesCollection.Add(new Series(sheet.Range(0, 1, length - 1,
1)));

    columnChart = sheet.Charts.AddChartAndFitInto(1, 17, 16, 23,
ChartType.ColumnStacked100);
    columnChart.SeriesCollection.Add(new Series(sheet.Range(0, 0, length - 1,
0)));
    columnChart.SeriesCollection.Add(new Series(sheet.Range(0, 1, length - 1,
1)));

    columnChart = sheet.Charts.AddChartAndFitInto(17, 3, 32, 9,
ChartType.ColumnClustered3D);
    columnChart.SeriesCollection.Add(new Series(sheet.Range(0, 0, length - 1,
0)));
    columnChart.SeriesCollection.Add(new Series(sheet.Range(0, 1, length - 1,
1)));

    columnChart = sheet.Charts.AddChartAndFitInto(17, 10, 32, 16,
ChartType.ColumnStacked3D);
    columnChart.SeriesCollection.Add(new Series(sheet.Range(0, 0, length - 1,
0)));
    columnChart.SeriesCollection.Add(new Series(sheet.Range(0, 1, length - 1,
1)));

    columnChart = sheet.Charts.AddChartAndFitInto(17, 17, 32, 23,
ChartType.ColumnStacked1003D);
    columnChart.SeriesCollection.Add(new Series(sheet.Range(0, 0, length - 1,
0)));
    columnChart.SeriesCollection.Add(new Series(sheet.Range(0, 1, length - 1,
1)));

    columnChart = sheet.Charts.AddChartAndFitInto(33, 10, 48, 16,
ChartType.Column3D);
    columnChart.SeriesCollection.Add(new Series(sheet.Range(0, 0, length - 1,
0)));
    columnChart.SeriesCollection.Add(new Series(sheet.Range(0, 1, length - 1,
1)));

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

    // Close the document
    spreadsheet.Close();

    // Cleanup

```

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

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