

Rotate X axis in Excel chart c#

Asked 8 years, 4 months ago Active 4 years ago Viewed 1k times



I'm trying to rotate the X-Axis text in an Excel chart.

Here is my current code:

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```
Excel.Application xlApp;
Excel.Workbook xlWorkBook;
Excel.Worksheet xlWorkSheet;
object misValue = System.Reflection.Missing.Value;

xlApp = new Excel.ApplicationClass();
xlWorkBook = xlApp.Workbooks.Add(misValue);

xlWorkSheet = (Excel.Worksheet)xlWorkBook.Worksheets.get_Item(1);
int currentLine = 1;

foreach (int currentKey in currentLogFile.Keys)
{
    xlWorkSheet.Cells[currentLine, 1] = currentKey;
    xlWorkSheet.Cells[currentLine, 2] = currentLogFile[currentKey];
    currentLine++;
}

Excel.Range chartRange;

Excel.ChartObjects xlCharts =
(Excel.ChartObjects)xlWorkSheet.ChartObjects(Type.Missing);
Excel.ChartObject myChart = (Excel.ChartObject)xlCharts.Add(10, 80, 300,
250);
Excel.Chart chartPage = myChart.Chart;

chartRange = xlWorkSheet.get_Range("A1", "B10");
chartPage.SetSourceData(chartRange, misValue);

chartPage.ChartType = Microsoft.Office.Interop.Excel.XlChartType.xlLine;

chartPage.ApplyLayout(6, Type.Missing);

xlWorkBook.SaveAs(excelOutputFile, Excel.XlFileFormat.xlWorkbookNormal, misValue,
misValue, misValue, misValue,
Excel.XlSaveAsAccessMode.xlExclusive, misValue, misValue, misValue, misValue,
misValue);

xlWorkBook.Close(true, misValue, misValue);
xlApp.Quit();
```

I saw few solutions, like:

[How to provide the custom angle to label in excel using C#](#)

[Changing Axis Labels on Excel Chart created in C#](#)

[C# chart rotate labels](#)

However I get compilation errors on all of them.



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1 Answer



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Excel.Worksheet xlWorkSheet;
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xlApp = new Excel.ApplicationClass();
xlWorkBook = xlApp.Workbooks.Add(misValue);

xlWorkSheet = (Excel.Worksheet)xlWorkBook.Worksheets.get_Item(1);
int currentLine = 1;

foreach (int currentKey in currentLogFile.Keys)
{
    xlWorkSheet.Cells[currentLine, 1] = currentKey;
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    currentLine++;
}

Excel.Range chartRange;

Excel.ChartObjects xlCharts =
(Excel.ChartObjects)xlWorkSheet.ChartObjects(Type.Missing);
    Excel.ChartObject myChart = (Excel.ChartObject)xlCharts.Add(10, 80, 300, 250);
Excel.Chart chartPage = myChart.Chart;

chartRange = xlWorkSheet.get_Range("A1", "B10");
chartPage.SetSourceData(chartRange, misValue);

chartPage.ChartType = Microsoft.Office.Interop.Excel.XlChartType.xlLine;

//Rotate 35 degrees.
chartPage.Axes(Excel.XlAxisType.xlCategory).TickLabels.Orientation = 35;
chartPage.Axes(Excel.XlAxisType.xlValue).TickLabels.Orientation = 35;

chartPage.ApplyLayout(6, Type.Missing);

xlWorkBook.SaveAs(excelOutputFile, Excel.XlFileFormat.xlWorkbookNormal, misValue,
misValue, misValue, misValue,
Excel.XlSaveAsAccessMode.xlExclusive, misValue, misValue, misValue, misValue,
misValue);

xlWorkBook.Close(true, misValue, misValue);
xlApp.Quit();
```

