

Scatter Chart Report

Intro

See how to create Scatter Charts with ExcelApplication.

Demonstrates how to create a Scatter chart with ExcelApplication.

Code

```
class ScatterChart
{
    private ExcelApplication xlw;
    private Workbook wb;
    private Worksheet ws;

    /// <summary>
    /// Build the report with ExcelApplication
    /// </summary>
    public void GenerateReport()
    {
        //Create an instance of ExcelApplication
        //and get a reference to the first worksheet.

        xlw = new ExcelApplication();
        wb = xlw.Create(ExcelApplication.FileFormat.Xlsx);
        ws = wb.Worksheets[0];

        //Populate the worksheet with values for the chart.
        this.PopulateValues();

        //Add the scatter chart.
        this.CreateScatterChart();

        //Save the report
        xlw.Save(wb, @"..\..\ExcelOutputFiles\ScatterChart_output.xlsx");
    }

    /// <summary> Demonstrates how to create a scatter chart.</summary>
    private void CreateScatterChart()
    {
        //Create a chartsheet for the scatter chart.
        //Name it "ScatterChart" and place it before
        //other worksheets in the workbook.

        Chartsheet chrtsheet =
wb.Worksheets.CreateChartsheet(ChartType.Scatter.StandardScatter, "ScatterChart", 0);
        Chart chrt = chrtsheet.Chart;

        //Create a series for the chart
        Series srs = chrt.SeriesCollection.CreateSeries("DataSheet!B2:B10");

        //For scatter charts, use the setScatterValues method
        srs.ScatterValues = "DataSheet!A2:A10";
    }
}
```

```

        srs.NameFormula = "DataSheet!B1";
        srs.DataPointMarker.BackgroundColor = Color.SystemColor.Red;

        //Make the chart sheet the first visible sheet
        chrtsheet.Select();
    }

    /// <summary> Add values to the worksheet.
    /// This is the source data for the scatter chart.
    /// </summary>
    private void PopulateValues()
    {
        ws["A1"].Value = "Daily Rainfall";
        ws["A2"].Value = 4.1;
        ws["A3"].Value = 4.3;
        ws["A4"].Value = 5.7;
        ws["A5"].Value = 5.4;
        ws["A6"].Value = 5.9;
        ws["A7"].Value = 5.0;
        ws["A8"].Value = 3.6;
        ws["A9"].Value = 1.9;
        ws["A10"].Value = 7.3;

        ws["B1"].Value = "Particulate";
        ws["B2"].Value = 122;
        ws["B3"].Value = 100;
        ws["B4"].Value = 132;
        ws["B5"].Value = 94;
        ws["B6"].Value = 110;
        ws["B7"].Value = 100;
        ws["B8"].Value = 128;
        ws["B9"].Value = 137;
        ws["B10"].Value = 90;
        ws.Name = "DataSheet";
    }

```

```
} }
```

Downloads

- Output [ScatterChart_output.xlsx](#)