ScottPlot.NET

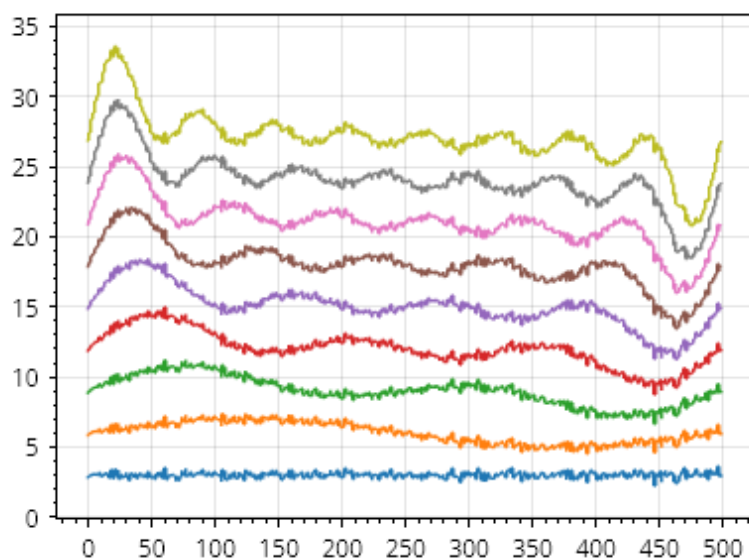ScottPlot 5.0 Cookbook » Sample Data   🔍 Search Cookbook

Sample Data

Multiple Sine Waves ⬈

This recipe demonstrates creation of a noisy waveform containing multiple sine waves with different frequencies.

DataGen.cs

Console WinForms WPF Other

```
ScottPlot.Plot myPlot = new();

double[] values = Generate.RandomNormal(500, stdDev: 0.2);

for (int i = 1; i < 10; i++)
{
```

```
    var sig = myPlot.Add.Signal(values);
    sig.Data.YOffset = i * 3;
    sig.LineWidth = 1.5f;
    values = Generate.AddSin(values, oscillations: i);
}


myPlot.SavePng("demo.png", 400, 300);
```

Edit on GitHub

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Scott W Harden   0.121.1   Sitemap
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