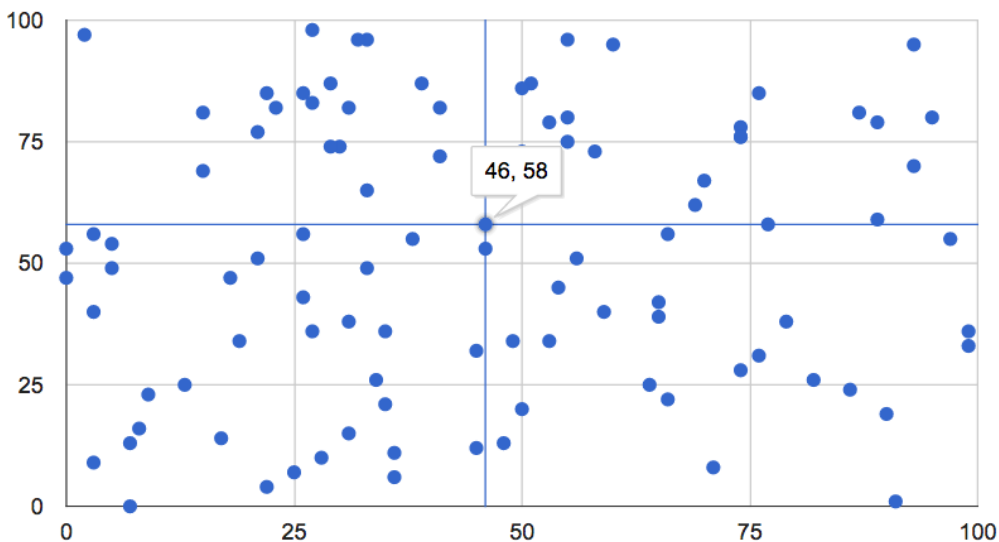


Crosshairs

Overview

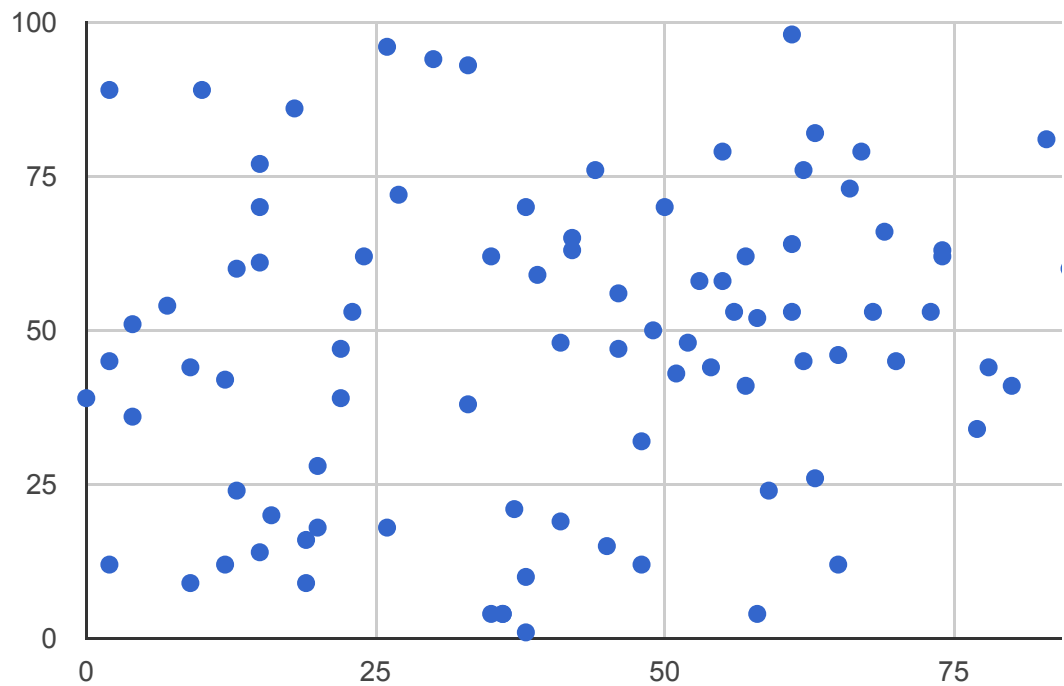
Crosshairs are thin vertical and horizontal lines centered on a data point in a chart. When you, as a chart creator, enable crosshairs in your charts, your users will then be able to target a single element:



Crosshairs can appear on focus, selection, or both. They're available for [scatter charts](https://google-developers.appspot.com/chart/interactive/docs/gallery/scatterchart) (<https://google-developers.appspot.com/chart/interactive/docs/gallery/scatterchart>), [line charts](https://google-developers.appspot.com/chart/interactive/docs/gallery/linechart) (<https://google-developers.appspot.com/chart/interactive/docs/gallery/linechart>), [area charts](https://google-developers.appspot.com/chart/interactive/docs/gallery/areachart) (<https://google-developers.appspot.com/chart/interactive/docs/gallery/areachart>), and for the line and area portions of [combo charts](https://google-developers.appspot.com/chart/interactive/docs/gallery/combochart) (<https://google-developers.appspot.com/chart/interactive/docs/gallery/combochart>).

A Simple Example

Hover over the points below, or select them, to see crosshairs:



Here's a complete web page that creates the above chart, with the line for crosshairs in bold:

```
<html>
<head>
  <script type="text/javascript" src="https://www.gstatic.com/charts/loader.js"></script>
  <script type="text/javascript">
    google.charts.load("current", {packages:["corechart"]});
    google.charts.setOnLoadCallback(drawChart);
    function drawChart() {
      var data = new google.visualization.DataTable();
      data.addColumn('number');
      data.addColumn('number');
      for (var i = 0; i < 100; i++)
        data.addRow([Math.floor(Math.random()*100),
                     Math.floor(Math.random()*100)]);
      var options = {
        legend: 'none',
        crosshair: { trigger: 'both' } // Display crosshairs on focus and scroll
      };
      var chart = new google.visualization.ScatterChart(document.getElementById('chart'));
      chart.draw(data, options);
    }
  </script>
</head>
<body>
  <div id="chart"></div>
</body>
</html>
```

```

    }
  </script>
</head>
<body>
  <div id="chart_div" style="width: 900px; height: 500px;"></div>
</body>
</html>

```

Crosshair Options

The following crosshair options are available:

<code>crosshair: { trigger: 'both' }</code>	display on both focus and selection
<code>crosshair: { trigger: 'focus' }</code>	display on focus only
<code>crosshair: { trigger: 'selection' }</code>	display on selection only
<code>crosshair: { orientation: 'both' }</code>	display both horizontal and vertical hairs
<code>crosshair: { orientation: 'horizontal' }</code>	display horizontal hairs only
<code>crosshair: { orientation: 'vertical' }</code>	display vertical hairs only
<code>crosshair: { color: <i>color_string</i> }</code>	set crosshair color to <i>color_string</i> , e.g., 'red' or '#f00'
<code>crosshair: { opacity: <i>opacity_number</i> }</code>	set crosshair opacity to <i>opacity_number</i> , with 0.0 being fully transparent and 1.0 fully opaque
<code>crosshair: { focused: { color: <i>color_string</i> } }</code>	set crosshair color to <i>color_string</i> on focus
<code>crosshair: { focused: { opacity: <i>opacity_number</i> } }</code>	set crosshair opacity to <i>opacity_number</i> on focus
<code>crosshair: { selected: { color: <i>color_string</i> } }</code>	set crosshair color to <i>color_string</i> on selection
<code>crosshair: { selected: { opacity: <i>opacity_number</i> } }</code>	set crosshair opacity to <i>opacity_number</i> on selection

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上次更新日期: 二月 23, 2017