 [Chart.js](http://docs.google.com/docs/3.9.1/)

[Home](http://docs.google.com/docs/3.9.1/)

[API](http://docs.google.com/docs/3.9.1/api/)

[Samples](http://docs.google.com/docs/3.9.1/samples/)

Ecosystem Ecosystem

* [Awesome (opens new window)](https://github.com/chartjs/awesome)
* [Slack (opens new window)](https://chartjs-slack.herokuapp.com/)
* [Stack Overflow (opens new window)](https://stackoverflow.com/questions/tagged/chart.js)

[GitHub (opens new window)](https://github.com/chartjs/Chart.js)

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* [Stack Overflow (opens new window)](https://stackoverflow.com/questions/tagged/chart.js)

[GitHub (opens new window)](https://github.com/chartjs/Chart.js)

* [Information](http://docs.google.com/docs/3.9.1/samples/information.html)
* Bar Charts
* Line Charts
  + [Interpolation Modes](http://docs.google.com/docs/3.9.1/samples/line/interpolation.html)
  + [Line Chart](http://docs.google.com/docs/3.9.1/samples/line/line.html)
  + [Multi Axis Line Chart](http://docs.google.com/docs/3.9.1/samples/line/multi-axis.html)
  + [Point Styling](http://docs.google.com/docs/3.9.1/samples/line/point-styling.html)
  + [Line Segment Styling](http://docs.google.com/docs/3.9.1/samples/line/segments.html)
  + [Stepped Line Charts](http://docs.google.com/docs/3.9.1/samples/line/stepped.html)
  + [Line Styling](http://docs.google.com/docs/3.9.1/samples/line/styling.html)
* Other charts
* Area charts
* Scales
* Scale Options
* Legend
* Title
* Subtitle
* Tooltip
* Scriptable Options
* Animations
* Advanced
* Plugins
* [Utils](http://docs.google.com/docs/3.9.1/samples/utils.html)

[**#**](#gjdgxs) Interpolation Modes

config setup

const config = { type: 'line', data: data, options: { responsive: true, plugins: { title: { display: true, text: 'Chart.js Line Chart - Cubic interpolation mode' }, }, interaction: { intersect: false, }, scales: { x: { display: true, title: { display: true } }, y: { display: true, title: { display: true, text: 'Value' }, suggestedMin: -10, suggestedMax: 200 } } }, };

const config = {  
 type: 'line',  
 data: data,  
 options: {  
 responsive: true,  
 plugins: {  
 title: {  
 display: true,  
 text: 'Chart.js Line Chart - Cubic interpolation mode'  
 },  
 },  
 interaction: {  
 intersect: false,  
 },  
 scales: {  
 x: {  
 display: true,  
 title: {  
 display: true  
 }  
 },  
 y: {  
 display: true,  
 title: {  
 display: true,  
 text: 'Value'  
 },  
 suggestedMin: -10,  
 suggestedMax: 200  
 }  
 }  
 },  
};

const DATA\_COUNT = 12; const labels = []; for (let i = 0; i < DATA\_COUNT; ++i) { labels.push(i.toString()); } const datapoints = [0, 20, 20, 60, 60, 120, NaN, 180, 120, 125, 105, 110, 170]; const data = { labels: labels, datasets: [ { label: 'Cubic interpolation (monotone)', data: datapoints, borderColor: Utils.CHART\_COLORS.red, fill: false, cubicInterpolationMode: 'monotone', tension: 0.4 }, { label: 'Cubic interpolation', data: datapoints, borderColor: Utils.CHART\_COLORS.blue, fill: false, tension: 0.4 }, { label: 'Linear interpolation (default)', data: datapoints, borderColor: Utils.CHART\_COLORS.green, fill: false } ] };

const DATA\_COUNT = 12;  
const labels = [];  
for (let i = 0; i < DATA\_COUNT; ++i) {  
 labels.push(i.toString());  
}  
const datapoints = [0, 20, 20, 60, 60, 120, NaN, 180, 120, 125, 105, 110, 170];  
const data = {  
 labels: labels,  
 datasets: [  
 {  
 label: 'Cubic interpolation (monotone)',  
 data: datapoints,  
 borderColor: Utils.CHART\_COLORS.red,  
 fill: false,  
 cubicInterpolationMode: 'monotone',  
 tension: 0.4  
 }, {  
 label: 'Cubic interpolation',  
 data: datapoints,  
 borderColor: Utils.CHART\_COLORS.blue,  
 fill: false,  
 tension: 0.4  
 }, {  
 label: 'Linear interpolation (default)',  
 data: datapoints,  
 borderColor: Utils.CHART\_COLORS.green,  
 fill: false  
 }  
 ]  
};

## [**#**](#30j0zll) Docs

* [Line](http://docs.google.com/docs/3.9.1/charts/line.html)
  + [cubicInterpolationMode](http://docs.google.com/docs/3.9.1/charts/line.html#cubicinterpolationmode)
  + [Line Styling (tension)](http://docs.google.com/docs/3.9.1/charts/line.html#line-styling)

Last Updated: 8/3/2022, 12:46:38 PM

←  [Vertical Bar Chart](http://docs.google.com/docs/3.9.1/samples/bar/vertical.html)   [Line Chart](http://docs.google.com/docs/3.9.1/samples/line/line.html)  →