 [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
* Other charts
* Area charts
* Scales
* Scale Options
* Legend
* Title
* Subtitle
* Tooltip
  + [Custom Tooltip Content](http://docs.google.com/docs/3.9.1/samples/tooltip/content.html)
  + [External HTML Tooltip](http://docs.google.com/docs/3.9.1/samples/tooltip/html.html)
  + [Interaction Modes](http://docs.google.com/docs/3.9.1/samples/tooltip/interactions.html)
  + [Point Style](http://docs.google.com/docs/3.9.1/samples/tooltip/point-style.html)
  + [Position](http://docs.google.com/docs/3.9.1/samples/tooltip/position.html)
* Scriptable Options
* Animations
* Advanced
* Plugins
* [Utils](http://docs.google.com/docs/3.9.1/samples/utils.html)

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

This sample shows how to use the tooltip position mode setting.

config setup actions

const config = { type: 'line', data: data, options: { interaction: { intersect: false, mode: 'index', }, plugins: { title: { display: true, text: (ctx) => { const {axis = 'xy', intersect, mode} = ctx.chart.options.interaction; return 'Mode: ' + mode + ', axis: ' + axis + ', intersect: ' + intersect; } }, } } };

const config = {  
 type: 'line',  
 data: data,  
 options: {  
 interaction: {  
 intersect: false,  
 mode: 'index',  
 },  
 plugins: {  
 title: {  
 display: true,  
 text: (ctx) => {  
 const {axis = 'xy', intersect, mode} = ctx.chart.options.interaction;  
 return 'Mode: ' + mode + ', axis: ' + axis + ', intersect: ' + intersect;  
 }  
 },  
 }  
 }  
};

const DATA\_COUNT = 7; const NUMBER\_CFG = {count: DATA\_COUNT, min: -100, max: 100}; const data = { labels: Utils.months({count: DATA\_COUNT}), datasets: [ { label: 'Dataset 1', data: Utils.numbers(NUMBER\_CFG), fill: false, borderColor: Utils.CHART\_COLORS.red, backgroundColor: Utils.transparentize(Utils.CHART\_COLORS.red, 0.5), }, { label: 'Dataset 2', data: Utils.numbers(NUMBER\_CFG), fill: false, borderColor: Utils.CHART\_COLORS.blue, backgroundColor: Utils.transparentize(Utils.CHART\_COLORS.blue, 0.5), }, ] };

const DATA\_COUNT = 7;  
const NUMBER\_CFG = {count: DATA\_COUNT, min: -100, max: 100};  
const data = {  
 labels: Utils.months({count: DATA\_COUNT}),  
 datasets: [  
 {  
 label: 'Dataset 1',  
 data: Utils.numbers(NUMBER\_CFG),  
 fill: false,  
 borderColor: Utils.CHART\_COLORS.red,  
 backgroundColor: Utils.transparentize(Utils.CHART\_COLORS.red, 0.5),  
 },  
 {  
 label: 'Dataset 2',  
 data: Utils.numbers(NUMBER\_CFG),  
 fill: false,  
 borderColor: Utils.CHART\_COLORS.blue,  
 backgroundColor: Utils.transparentize(Utils.CHART\_COLORS.blue, 0.5),  
 },  
 ]  
};

const actions = [ { name: 'Mode: index', handler(chart) { chart.options.interaction.axis = 'xy'; chart.options.interaction.mode = 'index'; chart.update(); } }, { name: 'Mode: dataset', handler(chart) { chart.options.interaction.axis = 'xy'; chart.options.interaction.mode = 'dataset'; chart.update(); } }, { name: 'Mode: point', handler(chart) { chart.options.interaction.axis = 'xy'; chart.options.interaction.mode = 'point'; chart.update(); } }, { name: 'Mode: nearest, axis: xy', handler(chart) { chart.options.interaction.axis = 'xy'; chart.options.interaction.mode = 'nearest'; chart.update(); } }, { name: 'Mode: nearest, axis: x', handler(chart) { chart.options.interaction.axis = 'x'; chart.options.interaction.mode = 'nearest'; chart.update(); } }, { name: 'Mode: nearest, axis: y', handler(chart) { chart.options.interaction.axis = 'y'; chart.options.interaction.mode = 'nearest'; chart.update(); } }, { name: 'Mode: x', handler(chart) { chart.options.interaction.mode = 'x'; chart.update(); } }, { name: 'Mode: y', handler(chart) { chart.options.interaction.mode = 'y'; chart.update(); } }, { name: 'Toggle Intersect', handler(chart) { chart.options.interaction.intersect = !chart.options.interaction.intersect; chart.update(); } }, ];

const actions = [  
 {  
 name: 'Mode: index',  
 handler(chart) {  
 chart.options.interaction.axis = 'xy';  
 chart.options.interaction.mode = 'index';  
 chart.update();  
 }  
 },  
 {  
 name: 'Mode: dataset',  
 handler(chart) {  
 chart.options.interaction.axis = 'xy';  
 chart.options.interaction.mode = 'dataset';  
 chart.update();  
 }  
 },  
 {  
 name: 'Mode: point',  
 handler(chart) {  
 chart.options.interaction.axis = 'xy';  
 chart.options.interaction.mode = 'point';  
 chart.update();  
 }  
 },  
 {  
 name: 'Mode: nearest, axis: xy',  
 handler(chart) {  
 chart.options.interaction.axis = 'xy';  
 chart.options.interaction.mode = 'nearest';  
 chart.update();  
 }  
 },  
 {  
 name: 'Mode: nearest, axis: x',  
 handler(chart) {  
 chart.options.interaction.axis = 'x';  
 chart.options.interaction.mode = 'nearest';  
 chart.update();  
 }  
 },  
 {  
 name: 'Mode: nearest, axis: y',  
 handler(chart) {  
 chart.options.interaction.axis = 'y';  
 chart.options.interaction.mode = 'nearest';  
 chart.update();  
 }  
 },  
 {  
 name: 'Mode: x',  
 handler(chart) {  
 chart.options.interaction.mode = 'x';  
 chart.update();  
 }  
 },  
 {  
 name: 'Mode: y',  
 handler(chart) {  
 chart.options.interaction.mode = 'y';  
 chart.update();  
 }  
 },  
 {  
 name: 'Toggle Intersect',  
 handler(chart) {  
 chart.options.interaction.intersect = !chart.options.interaction.intersect;  
 chart.update();  
 }  
 },  
];

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

* [Data structures (labels)](http://docs.google.com/docs/3.9.1/general/data-structures.html)
* [Line](http://docs.google.com/docs/3.9.1/charts/line.html)
* [Tooltip](http://docs.google.com/docs/3.9.1/configuration/tooltip.html)
* [Interactions](http://docs.google.com/docs/3.9.1/configuration/interactions.html)

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

←  [External HTML Tooltip](http://docs.google.com/docs/3.9.1/samples/tooltip/html.html)   [Point Style](http://docs.google.com/docs/3.9.1/samples/tooltip/point-style.html)  →