Site Link : <https://valor-software.com/ng2-charts/>

**You can install ng2-charts using npm**

npm install ng2-charts –save

**You need to install and include Chart.js library in application via html or webpack bundler (more options can be found in official chart.js**[**documentation**](http://www.chartjs.org/docs/#getting-started) **)**

npm install chart.js –save

**// In your App's module:**

import { ChartsModule } from 'ng2-charts';

imports: [

ChartsModule

]

**.html**

1. <div>
2. <div style="display: block">
3. <canvas baseChart
4. [datasets]="barChartData"
5. [labels]="barChartLabels"
6. [options]="barChartOptions"
7. [legend]="barChartLegend"
8. [chartType]="barChartType"
9. (chartHover)="chartHovered($event)"
10. (chartClick)="chartClicked($event)"></canvas>
11. </div>
12. <button (click)="randomize()">Update</button>
13. </div>

**Typescript**

1. import { Component } from '@angular/core';
3. @Component({
4. selector: 'bar-chart-demo',
5. templateUrl: './bar-chart-demo.html'
6. })
7. export class BarChartDemoComponent {
8. public barChartOptions:any = {
9. scaleShowVerticalLines: false,
10. responsive: true
11. };
12. public barChartLabels:string[] = ['2006', '2007', '2008', '2009', '2010', '2011', '2012'];
13. public barChartType:string = 'bar';
14. public barChartLegend:boolean = true;
16. public barChartData:any[] = [
17. {data: [65, 59, 80, 81, 56, 55, 40], label: 'Series A'},
18. {data: [28, 48, 40, 19, 86, 27, 90], label: 'Series B'}
19. ];
21. // events
22. public chartClicked(e:any):void {
23. console.log(e);
24. }
26. public chartHovered(e:any):void {
27. console.log(e);
28. }
30. public randomize():void {
31. // Only Change 3 values
32. let data = [
33. Math.round(Math.random() \* 100),
34. 59,
35. 80,
36. (Math.random() \* 100),
37. 56,
38. (Math.random() \* 100),
39. 40];
40. let clone = JSON.parse(JSON.stringify(this.barChartData));
41. clone[0].data = data;
42. this.barChartData = clone;
43. /\*\*
44. \* (My guess), for Angular to recognize the change in the dataset
45. \* it has to change the dataset variable directly,
46. \* so one way around it, is to clone the data, change it and then
47. \* assign it;
48. \*/
49. }
50. }