

## Data Visualization using *Chart.js*

**Chart.js** (<https://www.chartjs.org/>) is a free JavaScript library for data visualization, which allows you to create interactive charts and graphs using the HTML5 canvas element. It was released in 2013. The latest version (4) was released in 2022. Chart.js can create area, bar, bubble, donut, line, pie, radar, polar, and scatter charts.

Chart.js is licensed under the **MIT** license (<https://github.com/chartjs/Chart.js/blob/master/LICENSE.md>)

These samples were created using version 3.9.1.

### Bar Chart

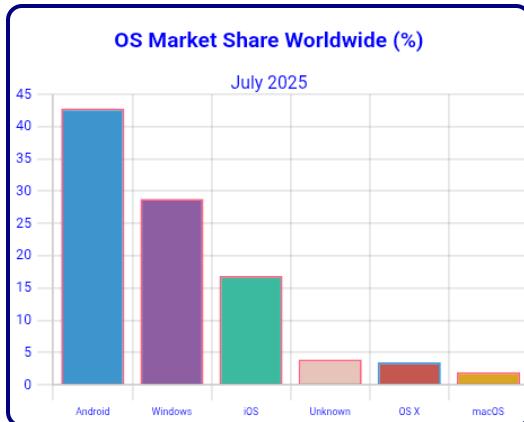


Figure 1: Chart data from [1]

### Doughnut Chart

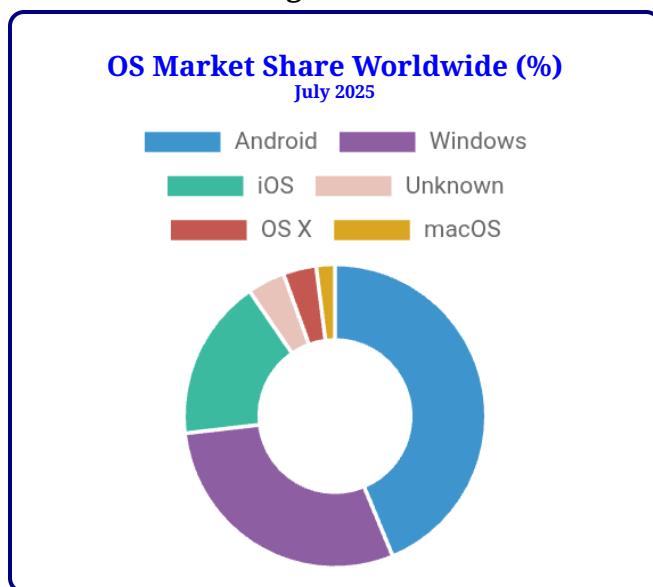


Figure 2: Chart data from [1]

### Horizontal Bar Chart

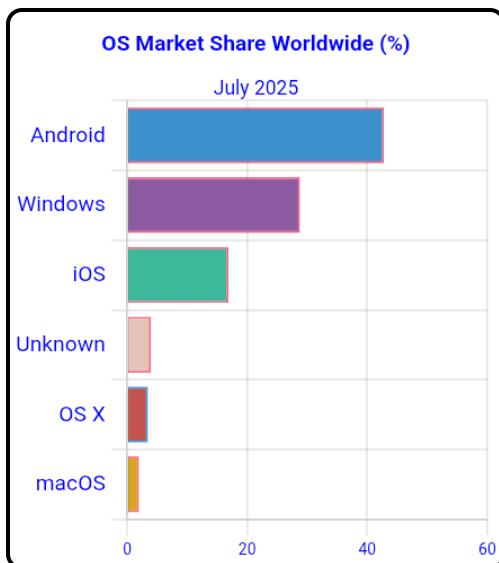


Figure 3: Chart data from [1]

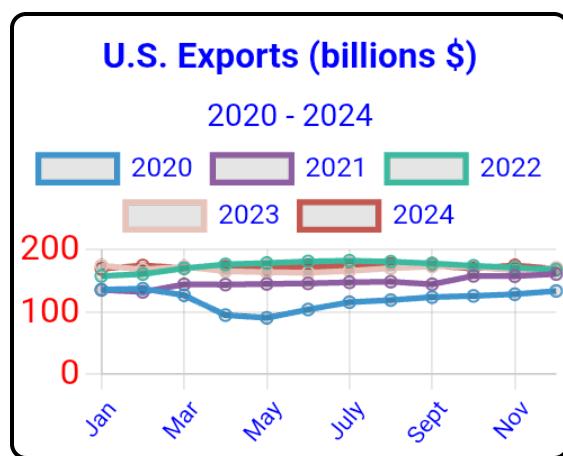
**Line Chart**

Figure 4: Chart data from [18]

**Pie Chart**

Figure 5: Chart data from [1]

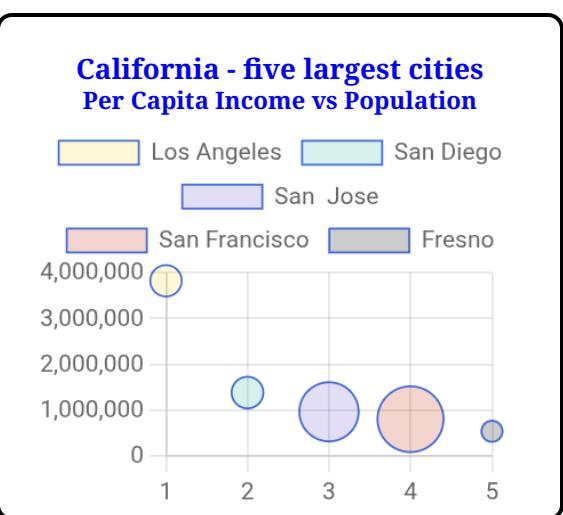
**Bubble Chart**

Figure 6: Chart data from [19] [20] [21] [22] [23] [24]

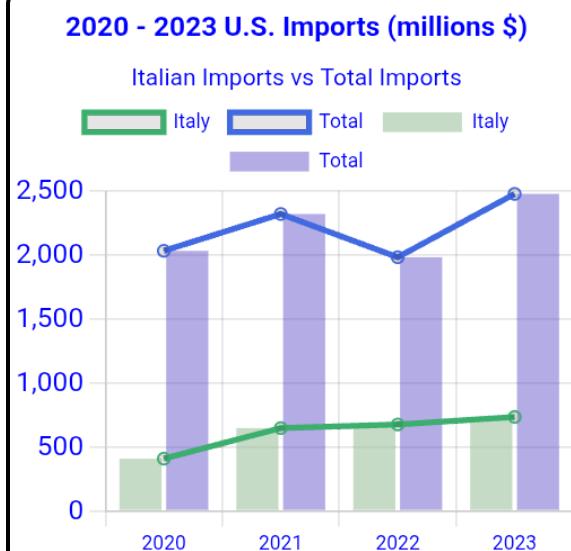
**Mixed Chart**

Figure 7: Simulated chart data.

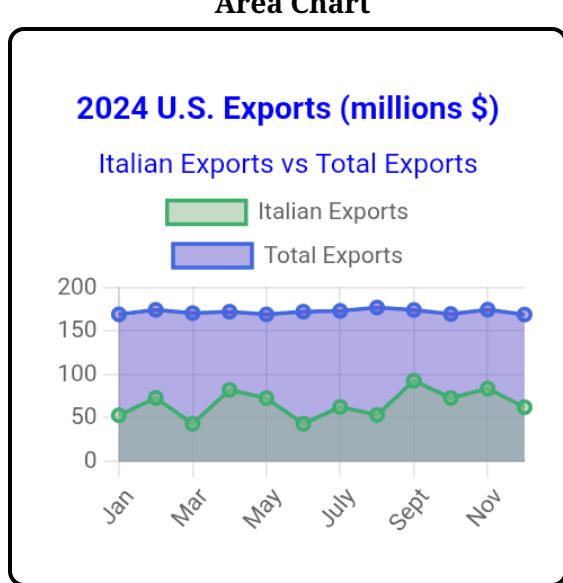


Figure 8: Simulated Chart data.

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**Chart.js is licensed under the MIT license**  
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