



Google chart tools are powerful, simple to use, and free. There are rich gallery of interactive charts and data tools.

1. Linechart

1.1 basic chart

example: GoogleCharsline.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Title</title>
  <!--Load the GoogleChart API-->
  <script type="text/javascript" src="https://www.gstatic.com/charts/loader.js"></script>
</head>

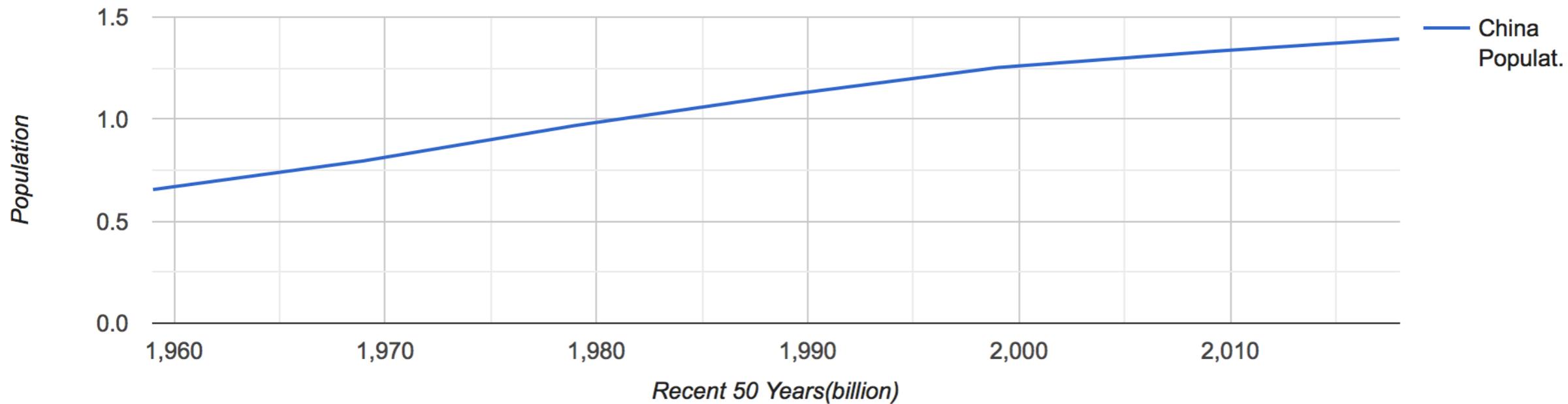
<body>
  <!--Div that will hold the pie chart-->
  <div id="linechart" style="width:1000px; height:300px"></div>
</body>
<script>
  // Load the Visualization API and the line package.
  google.charts.load('current', {packages: ['corechart', 'line']});
  // Set a callback to run when the Google Visualization API is loaded.
  google.charts.setOnLoadCallback(drawBasic);

  // Callback that creates and populates a data table,
  // instantiates the line chart, passes in the data and
  // draws it.
  function drawBasic() {

    // Create the data table.
    var data = new google.visualization.DataTable();
    data.addColumn('number', 'X');
    data.addColumn('number', 'China Population');

    data.addRows([
      [1959, 0.655], [1969, 0.796], [1979, 0.969], [1989, 1.119],
      [1999, 1.253], [2009, 1.331], [2018, 1.393]
```

```
30
31     data.addRows([
32         [1959, 0.655], [1969, 0.796], [1979, 0.969], [1989, 1.119],
33         [1999, 1.253], [2009, 1.331], [2018, 1.393]
34     ]);
35
36     var options = {
37         hAxis: {
38             title: 'Recent 50 Years(billion)'
39         },
40         vAxis: {
41             title: 'Population'
42         }
43     };
44
45     // Instantiate and draw chart, passing in some options.
46     var chart = new google.visualization.LineChart(document.getElementById('linechart'));
47     chart.draw(data, options);
48 }
49
50 </script>
51 </html>
52
53
```



1. Linechart

1.2 basic chart with background color

example: [GoogleCharslineWithBackgroundColor.html](#)

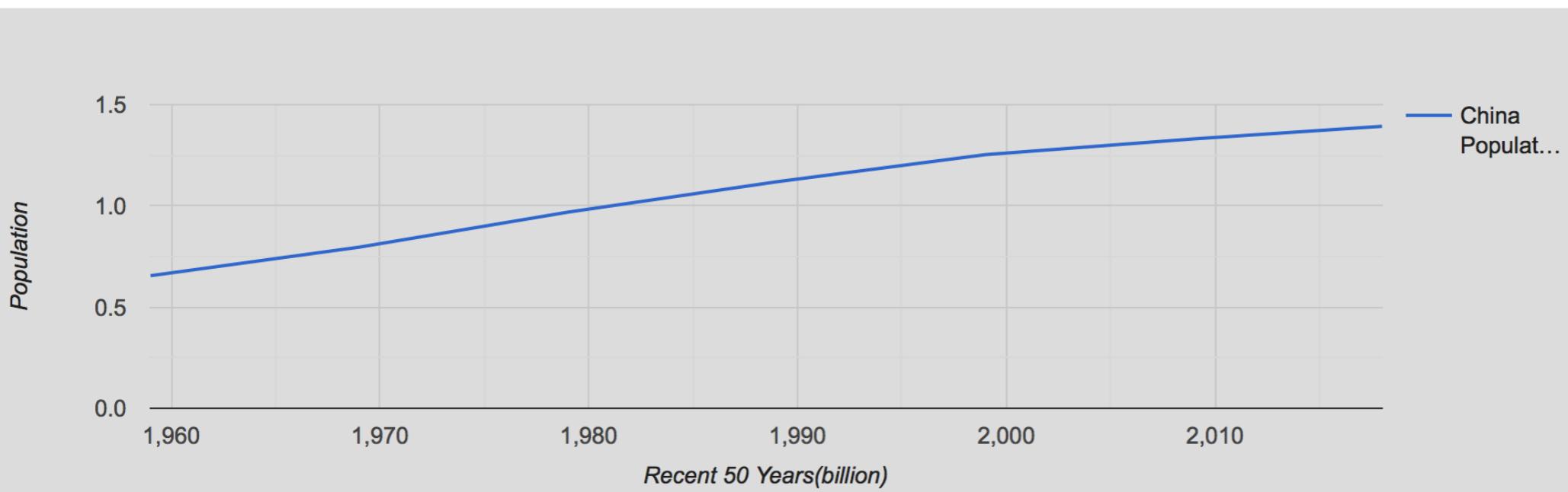
```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <title>Title</title>
6      <script type="text/javascript" src="https://www.gstatic.com/charts/loader.js"></script>
7  </head>
8
9  <body>
10 <div id="linechart" style="width:1000px; height:300px"></div>
11 </body>
12 <script>
13     google.charts.load('current', {packages: ['corechart', 'line']});
14     google.charts.setOnLoadCallback(drawBasic);
15
16     //have a background color
17     google.charts.setOnLoadCallback(drawBackgroundColor);
18
19     function drawBasic() {
20
21         var data = new google.visualization.DataTable();
22         data.addColumn('number', 'X');
23         data.addColumn('number', 'China Population');
24
25         data.addRows([
26             [1959, 0.655], [1969, 0.796], [1979, 0.969], [1989, 1.119],
27             [1999, 1.253], [2009, 1.331], [2018, 1.393]
28         ]);
29     }
30 
```

```
data.addRows([
  [1959, 0.655], [1969, 0.796], [1979, 0.969], [1989, 1.119],
  [1999, 1.253], [2009, 1.331], [2018, 1.393]
]);
```

```
var options = {
  hAxis: {
    title: 'Recent 50 Years(billion)'
  },
  vAxis: {
    title: 'Population'
  },
  backgroundColor: 'E0E0E0'
};
```

```
var chart = new google.visualization.LineChart(document.getElementById('linechart'));
chart.draw(data, options);
}
```

```
</script>
</html>
```



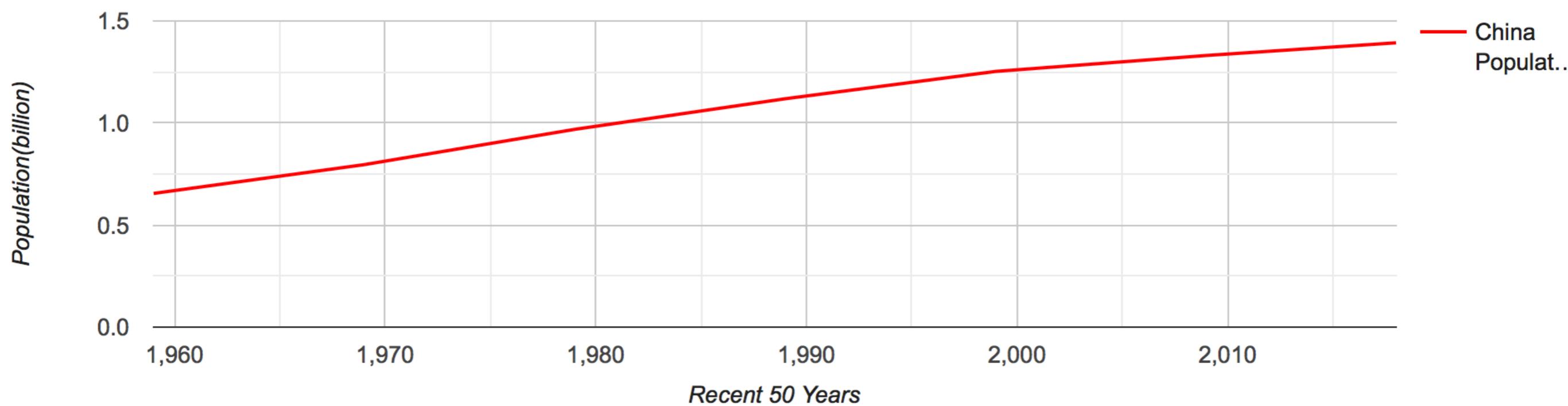
1. Linechart

1.3 basic chart with color line

example: 1.3GoogleCharslineColor.html

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <title>Title</title>
6      <script type="text/javascript" src="https://www.gstatic.com/charts/loader.js"></script>
7
8  </head>
9  <body>
10 <div id="linechart" style="width:1000px; height:300px"></div>
11 </body>
12 <script>
13
14     google.charts.load('current', {packages: ['corechart', 'line']});
15     google.charts.setOnLoadCallback(drawLineColors);
16
17
18     function drawLineColors() {
19
20
21         var data = new google.visualization.DataTable();
22         data.addColumn('number', 'X');
23         data.addColumn('number', 'China Population');
24
25         data.addRows([
26             [1959, 0.655], [1969, 0.796], [1979, 0.969], [1989, 1.119],
27             [1999, 1.253], [2009, 1.331], [2018, 1.393]
28         ]);
29
30         var options = {
31             hAxis: {
32                 title: 'Recent 50 Years'
```

```
28
29
30     var options = {
31         hAxis: {
32             title: 'Recent 50 Years'
33         },
34         vAxis: {
35             title: 'Population(billion)'
36         },
37         colors: ['red'],
38     };
39
40 };
41
42 var chart = new google.visualization.LineChart(document.getElementById('linechart'));
43
44 chart.draw(data, options);
45
46
47 </script>
48 </html>
```

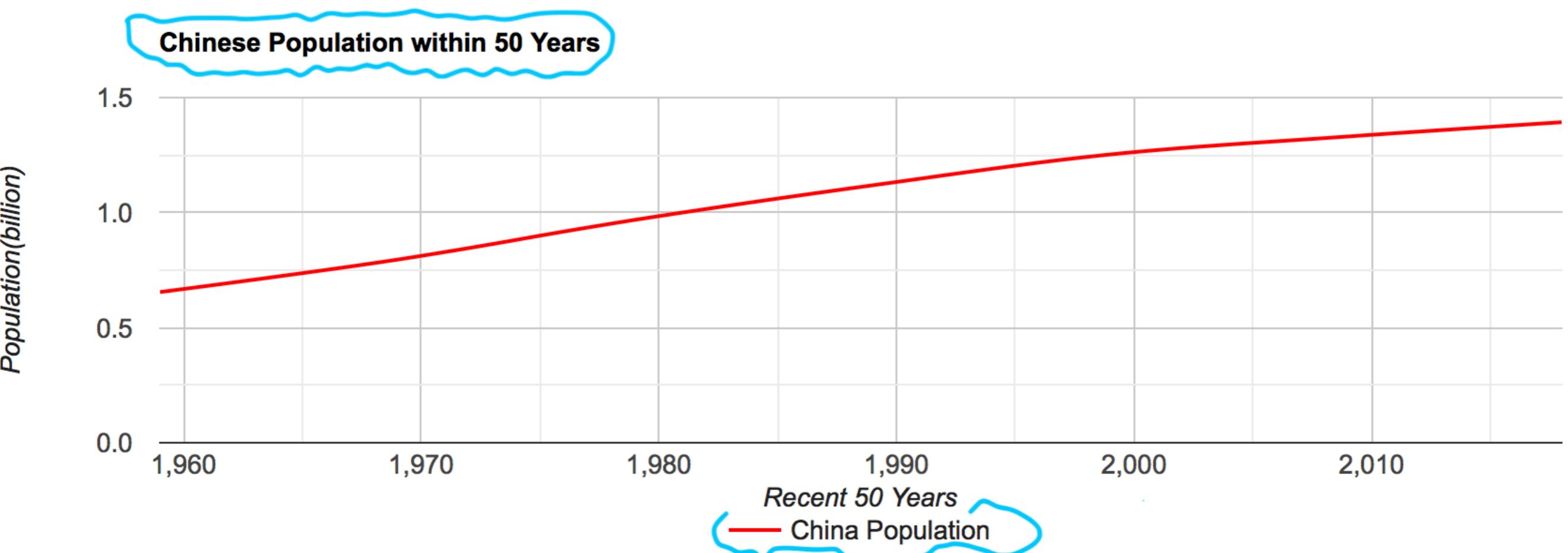


1. Linechart

1.4 basic chart with other options

example: 1.4GoogleCharsWithOtherOptions.html

```
var options = {  
  hAxis: {  
    title: 'Recent 50 Years'  
  },  
  vAxis: {  
    title: 'Population(billion)'  
  },  
  colors: ['red'],  
  title: 'Chinese Population within 50 Years',  
  curveType: 'function',  
  legend: { position: 'bottom' }  
};  
  
var chart = new google.visualization.LineChart(document.getElementById('linechart'));
```



1. Linechart

1.5 basic chart with two line

example: 1.5ChinalIndianPopulation.html

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>Title</title>
6   <script type="text/javascript" src="https://www.gstatic.com/charts/loader.js"></script>
7
8 </head>
9 <body>
10
11 <div id="linechart" style="width:1000px; height:300px"></div>
12 </body>
13 <script>
14
15   google.charts.load('current', {packages: ['corechart', 'line']});
16   google.charts.setOnLoadCallback(drawLineColors);
17
18
19
20   function drawLineColors() {
21
22     var data = new google.visualization.DataTable();
23     data.addColumn('number', 'X');
24     data.addColumn('number', 'China Population');
25     data.addColumn('number', 'Indian Population'); ←
26     data.addRows([
27       [1959, 0.655, 0.441], [1969, 0.796, 0.543], [1979, 0.969, 0.683], [1989, 1.119, 0.855],
28       [1999, 1.253, 1.038], [2009, 1.331, 1.218], [2018, 1.393, 1.353]
29     ]);
30   };

```

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```

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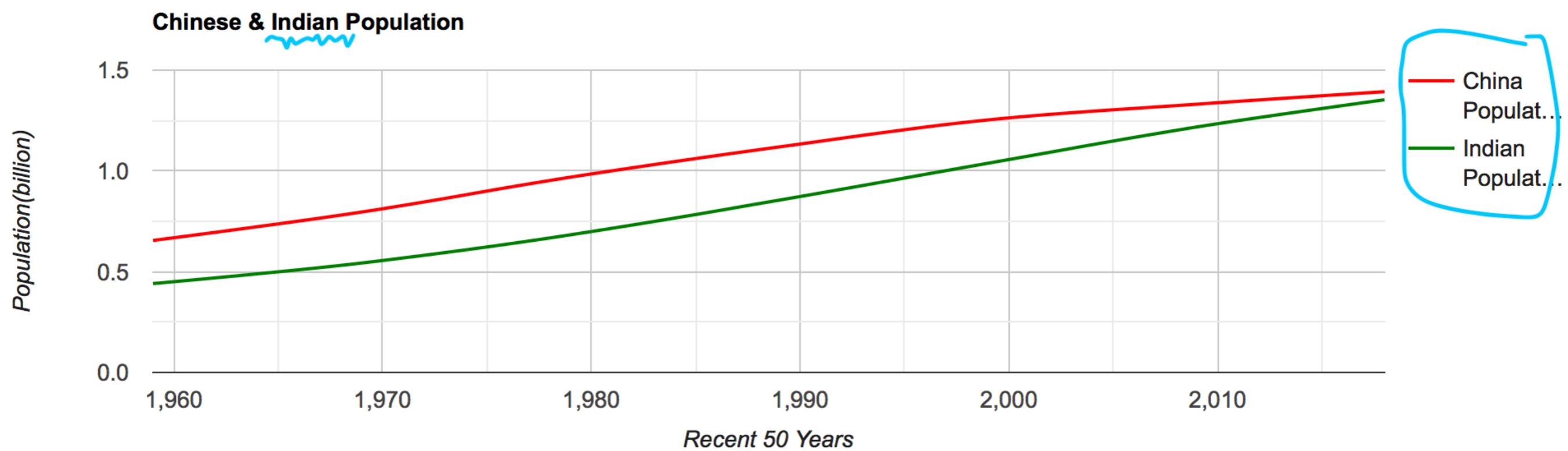
data.addRows([
    [1959, 0.655, 0.441], [1969, 0.796, 0.543], [1979, 0.969, 0.683], [1989, 1.119, 0.855],
    [1999, 1.253, 1.038], [2009, 1.331, 1.218], [2018, 1.393, 1.353]
]);

var options = {
    hAxis: {
        title: 'Recent 50 Years'
    },
    vAxis: {
        title: 'Population(billion)'
    },
    colors: ['red', 'green'],
    title: 'Chinese & Indian Population',
    curveType: 'function',
    legend: { position: 'right' }
};

var chart = new google.visualization.LineChart(document.getElementById('linechart'));

chart.draw(data, options);
}
}

```



1. Linechart

1.6 basic chart with colorful axis tick

example: 1.6GoogleCharsDrawAxisTickCount.html

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>Title</title>
6   <script type="text/javascript" src="https://www.gstatic.com/charts/loader.js"></script>
7 </head>
8 <body>
9
10 <div id="chart" style="width:1000px; height:300px"></div>
11
12 <script>
13   google.charts.load('current', {packages: ['corechart', 'line']});
14   google.charts.setOnLoadCallback(drawAxisTickColors);
15
16   function drawAxisTickColors() {
17     var data = new google.visualization.DataTable();
18     data.addColumn('number', 'X');
19     data.addColumn('number', 'China Population');
20     data.addColumn('number', 'Indian Population');
21
22     data.addRows([
23       [1959, 0.655, 0.441], [1969, 0.796, 0.543], [1979, 0.969, 0.683], [1989, 1.119, 0.855],
24       [1999, 1.253, 1.038], [2009, 1.331, 1.218], [2018, 1.393, 1.353]
25     ]);
  
```

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```

```
var options = {
  hAxis: {
    title: 'Recent 50 Years',
    textStyle: {
      color: 'grey',
      fontSize: 20,
      fontName: 'Arial',
      bold: true,
      italic: true
    },
    titleTextStyle: {
      color: 'blue',
      fontSize: 16,
      fontName: 'Arial',
      bold: false,
      italic: true
    }
  },
  vAxis: {
    title: 'Population\n(billion)',
    textStyle: {
      color: 'orange',
      fontSize: 20,
      bold: true
    },
    titleTextStyle: {
      color: 'pink',
      fontSize: 24,
      bold: true
    }
  },
  title: 'Chinese & Indian Population',
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```

```
  colors: ['red', 'green'],
  curveType: 'function',
  legend: { position: 'right' }
};

var chart = new google.visualization.LineChart(document.getElementById('chart'));
chart.draw(data, options);

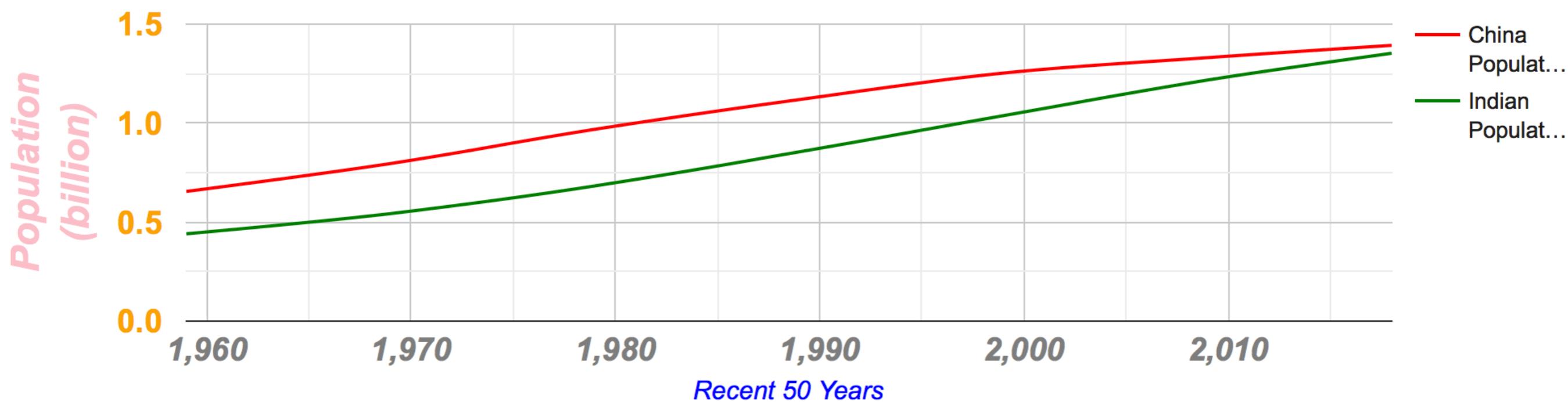
}

</script>>

</body>

</html>
```

Chinese & Indian Population



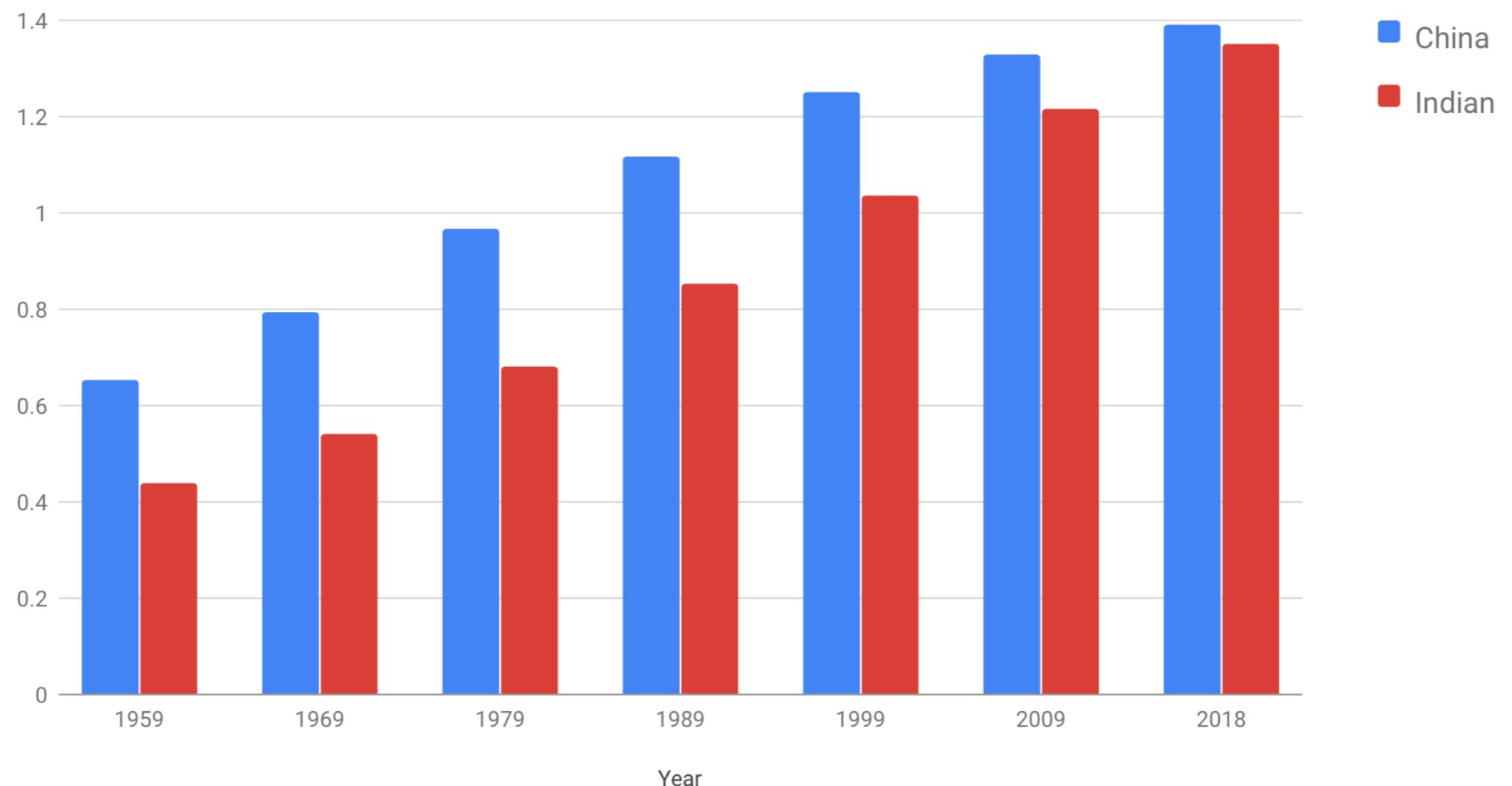
2. Columnchart

2.1 basic column chart

example: 2.1GoogleColumnChart.html

```
1  <html>
2  <head>
3      <script type="text/javascript" src="https://www.gstatic.com/charts/loader.js"></script>
4      <script type="text/javascript">
5          google.charts.load('current', {'packages':['bar']});
6          google.charts.setOnLoadCallback(drawChart);
7          function drawChart() {
8              var data = google.visualization.arrayToDataTable([
9                  ['Year', 'China', 'India'],
10                 ['1959', 0.655, 0.441], ←
11                 ['1969', 0.796, 0.543],
12                 ['1979', 0.969, 0.683],
13                 ['1989', 1.119, 0.855],
14                 ['1999', 1.253, 1.038],
15                 ['2009', 1.331, 1.218],
16                 ['2018', 1.393, 1.353]
17             ]);
18             var options = {
19                 chart: {
20                     title: 'Chinese & Indian Population',
21                     subtitle: '(1959 - 2019)',
22                 }
23             };
24             var chart = new google.charts.Bar(document.getElementById('columnchart'));
25             chart.draw(data, google.charts.Bar.convertOptions(options));
26         }
27     </script>
28 </head>
29 <body>
30     <div id="columnchart" style="width: 800px; height: 500px;"></div>
31 </body>
32 </html>
```

Chinese & Indian Population
(1959 - 2019)



2. Columnchart

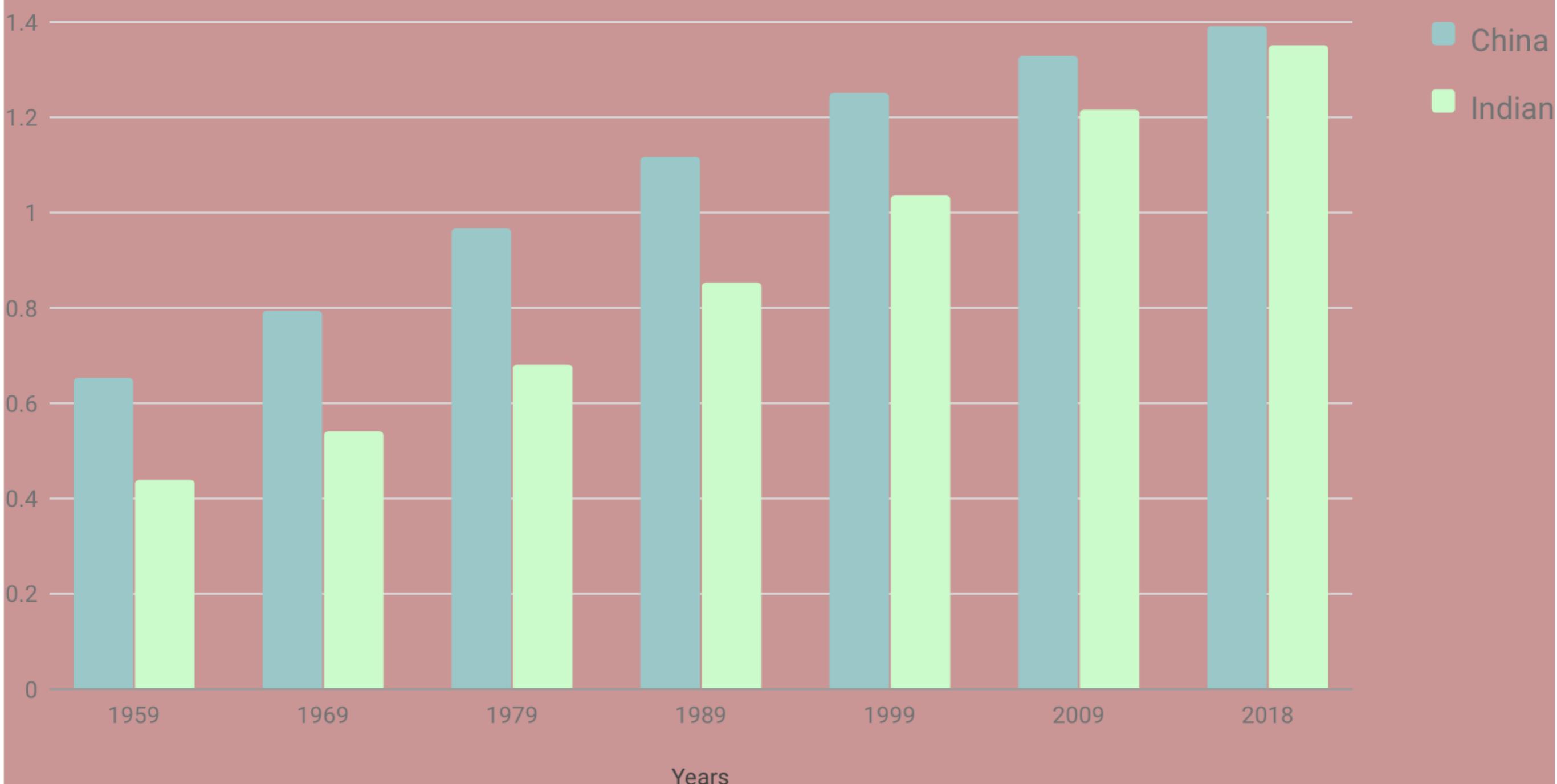
2.2 with more option style column chart

example: 2.2GoogleColumnChartwithStyle.html

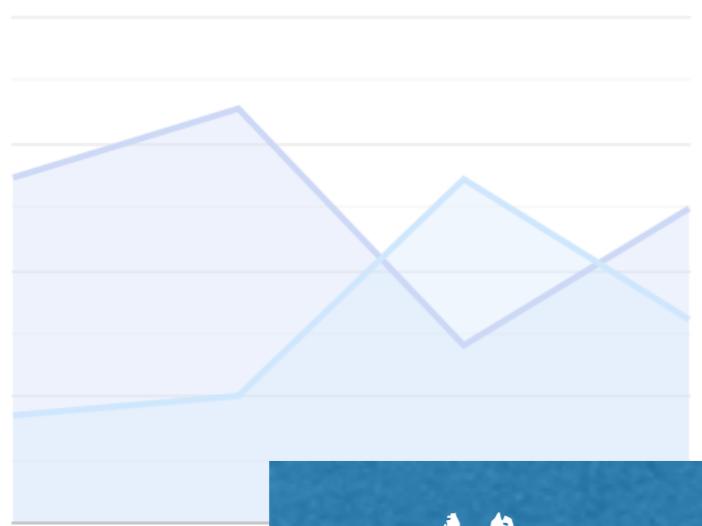
```
3  
```

Chinese & Indian Population

(1959 - 2019)



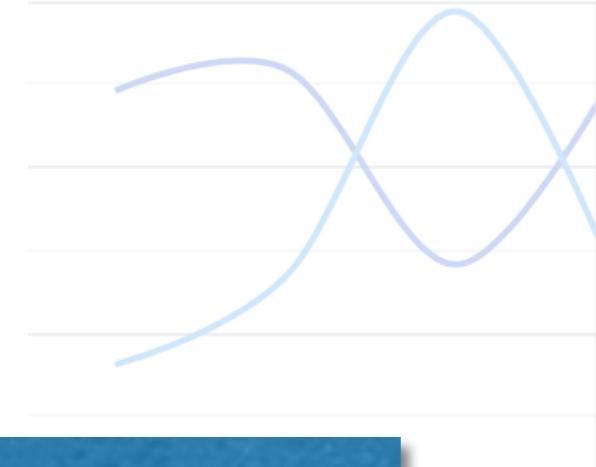
Area Chart



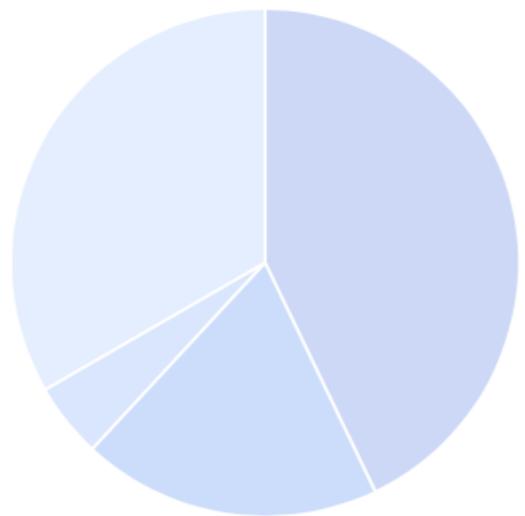
Stepped Area Chart



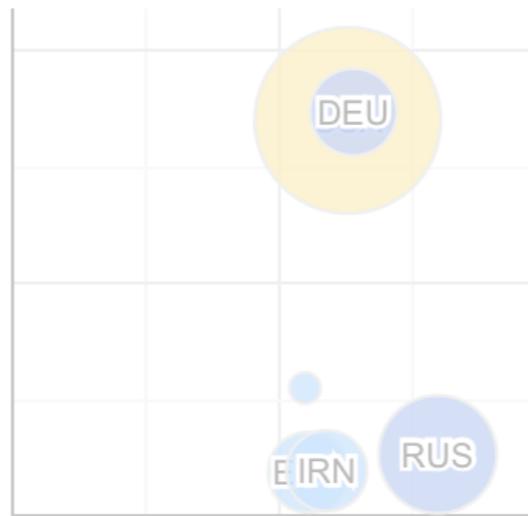
Line Chart



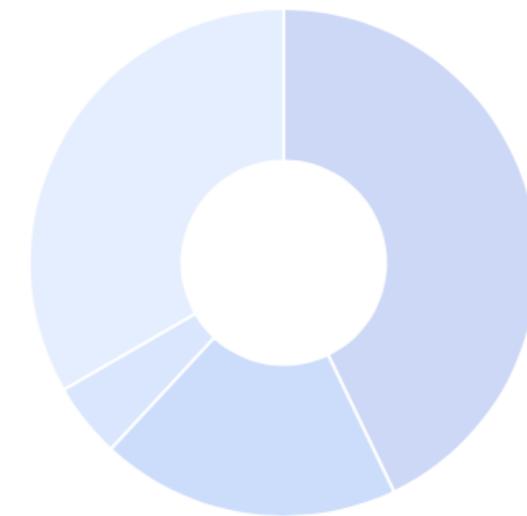
Pie Chart



Bubble Chart

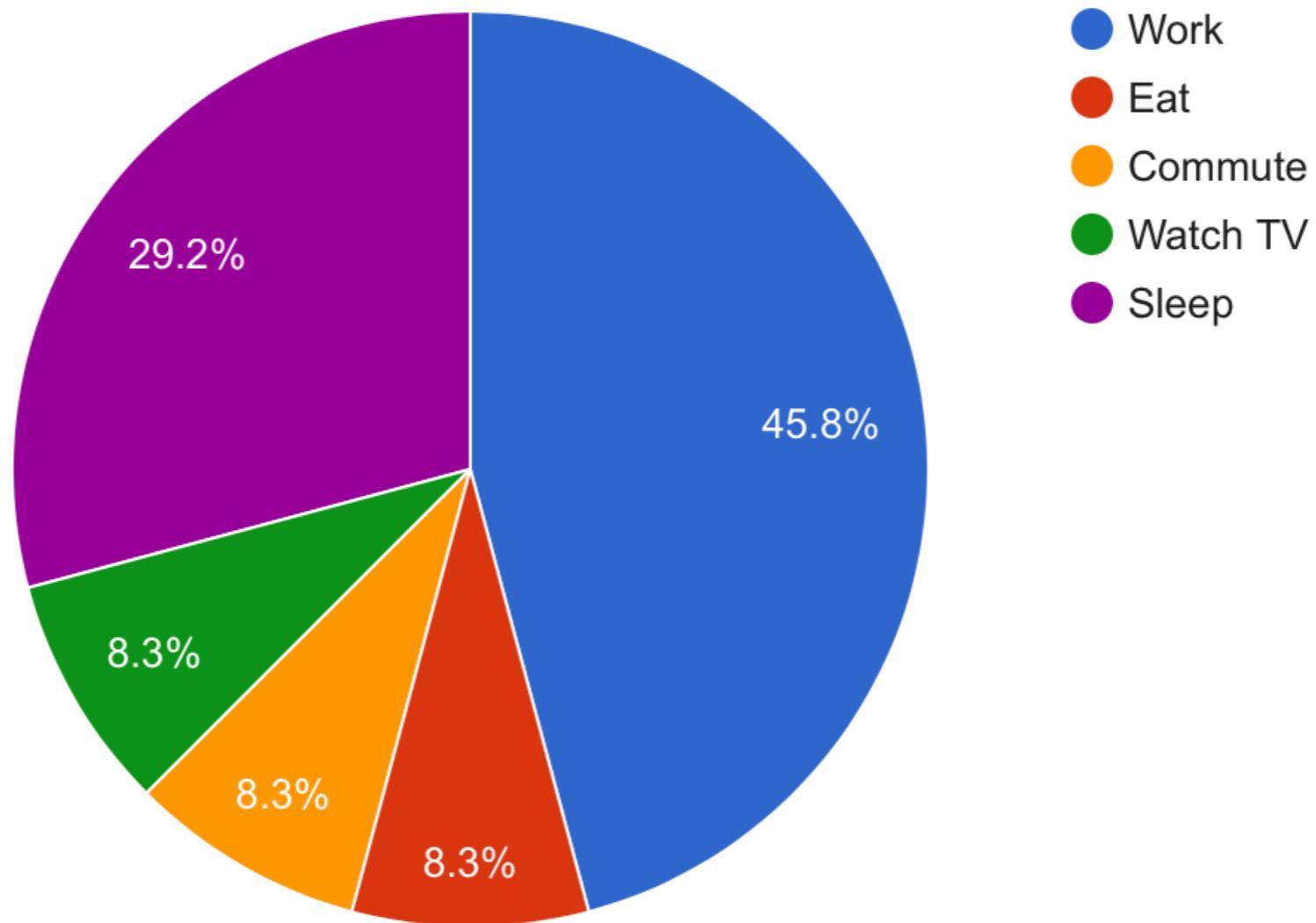


Donut Chart

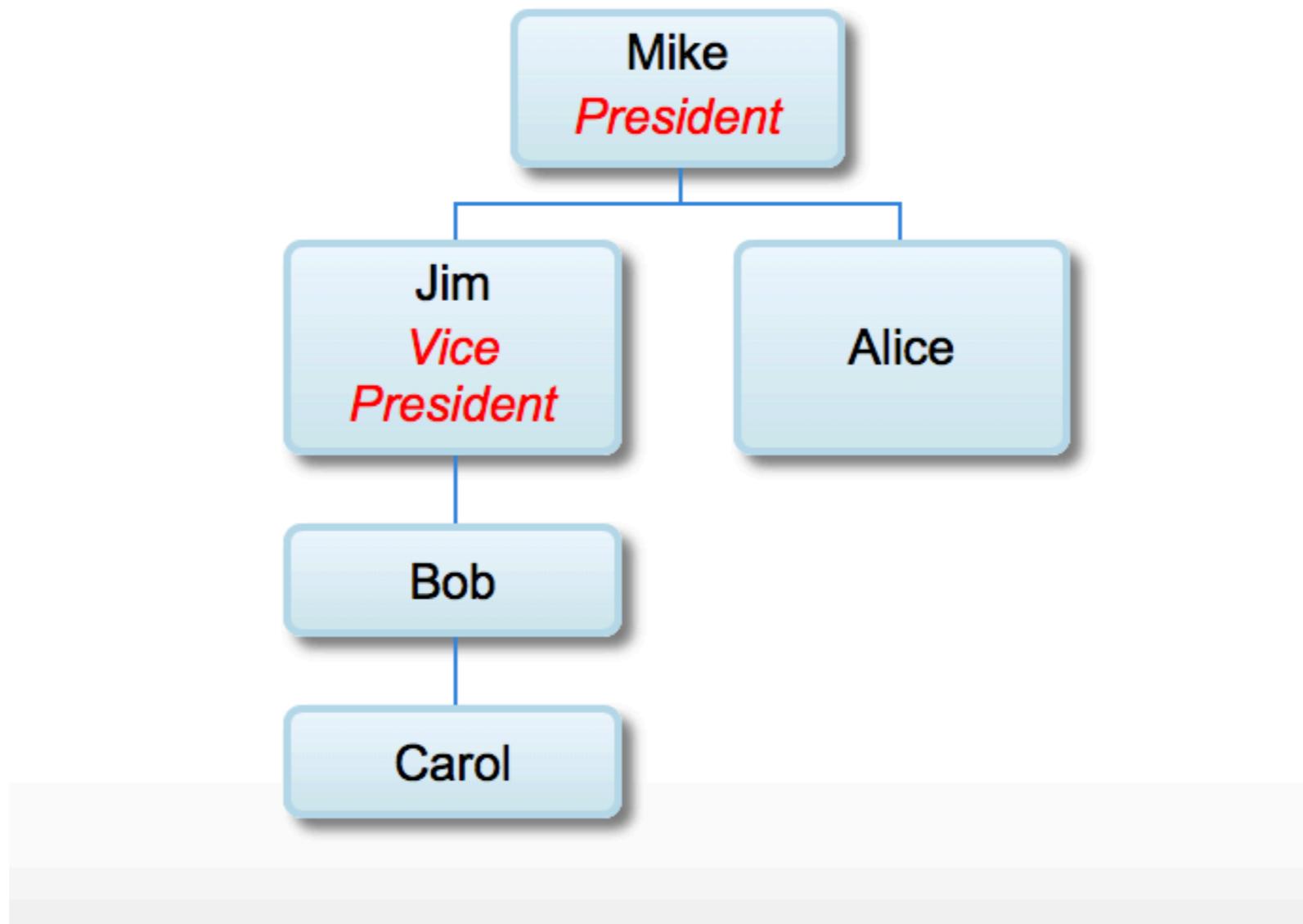


More Chart Types

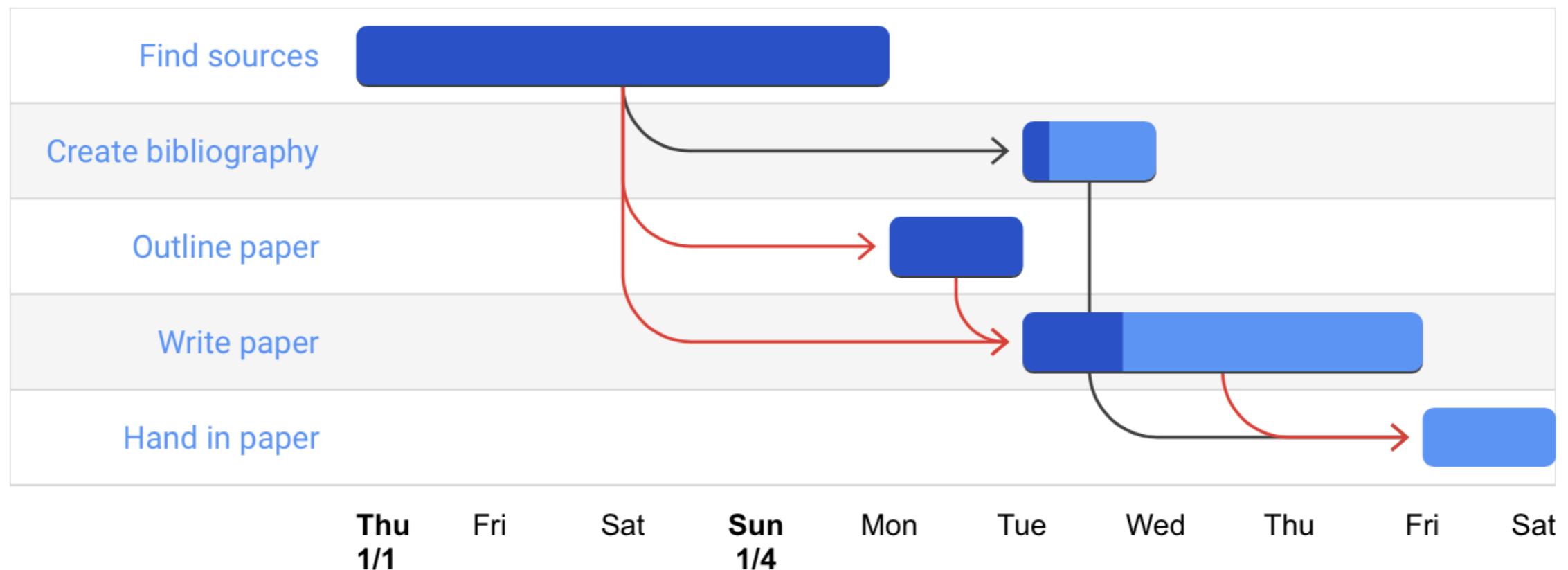
My Daily Activities



Pie Chart



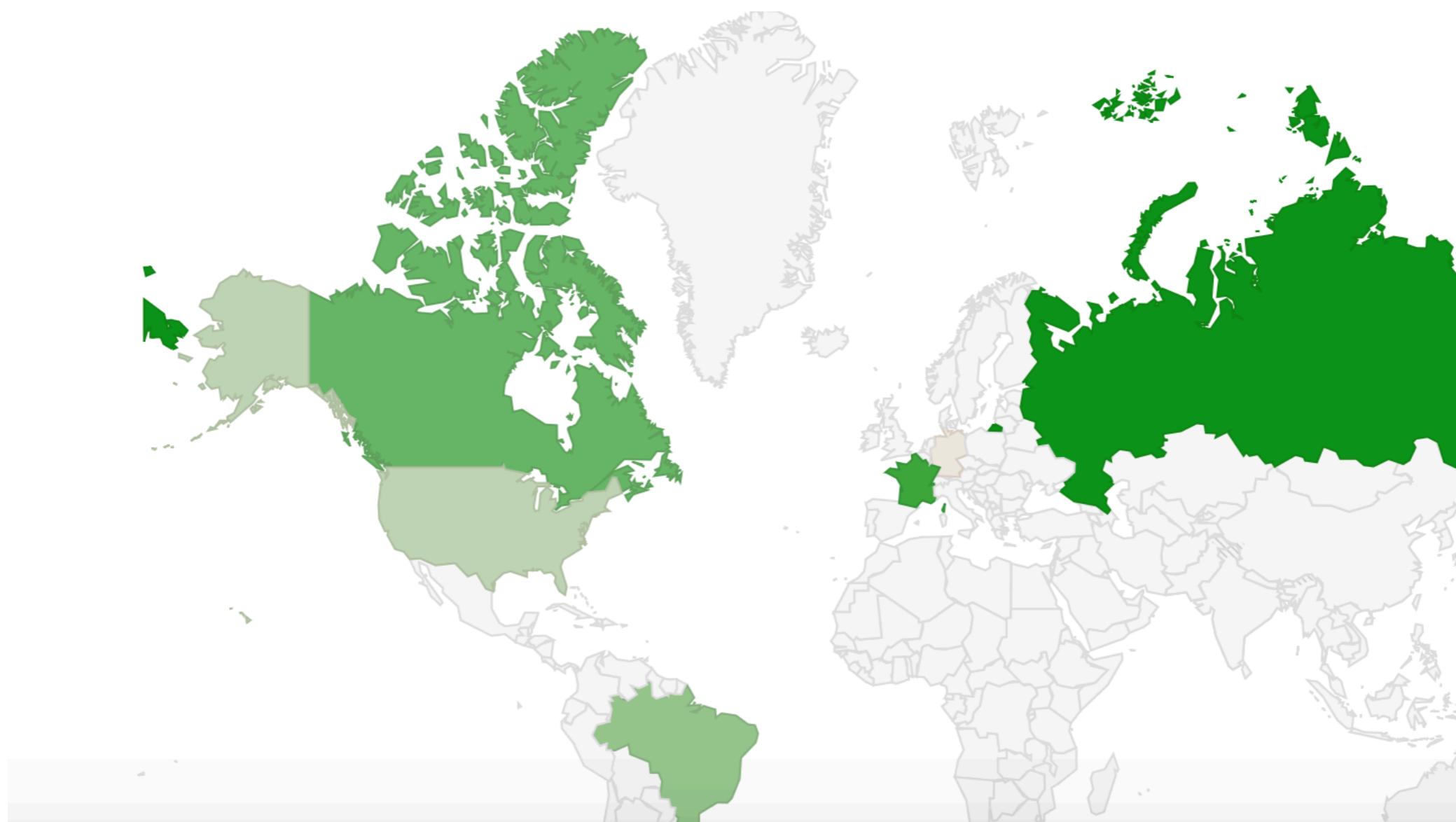
Organization Chart



Gantt Chart

Region GeoCharts

The `regions` style fills entire regions (typically countries) with colors corresponding to the values that you assign.



For more types of Google Charts, please visit :

[https://developers.google.com/chart/interactive/
docs/gallery](https://developers.google.com/chart/interactive/docs/gallery)