Google **Developers**

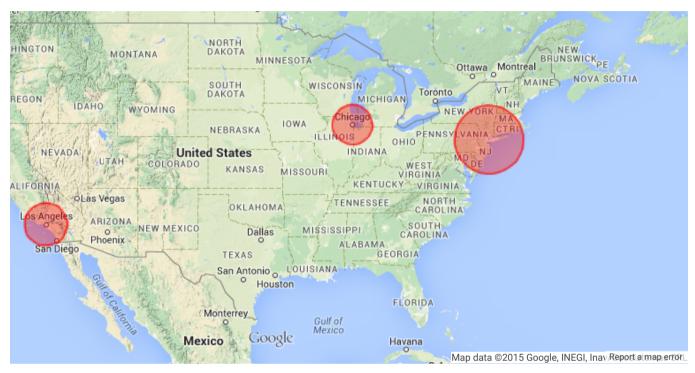| Googl... x | Search | • | | Sign in |

Products   Google Maps API   Google Maps JavaScript API v3

Circles

View this example full screen.

JavaScript   JavaScript + HTML

```
// This example creates circles on the map, representing
// populations in North America.

// First, create an object containing LatLng and population for each city.
var citymap = {};
citymap['chicago'] = {
  center: new google.maps.LatLng(41.878113, -87.629798),
  population: 2714856
};
citymap['newyork'] = {
  center: new google.maps.LatLng(40.714352, -74.005973),
  population: 8405837
};
citymap['losangeles'] = {
  center: new google.maps.LatLng(34.052234, -118.243684),
  population: 3857799
};
citymap['vancouver'] = {
  center: new google.maps.LatLng(49.25, -123.1),
  population: 603502
```

```javascript
};

var cityCircle;

function initialize() {
  // Create the map.
  var mapOptions = {
    zoom: 4,
    center: new google.maps.LatLng(37.09024, -95.712891),
    mapTypeId: google.maps.MapTypeId.TERRAIN
  };

  var map = new google.maps.Map(document.getElementById('map-canvas'),
      mapOptions);

  // Construct the circle for each value in citymap.
  // Note: We scale the area of the circle based on the population.
  for (var city in citymap) {
    var populationOptions = {
      strokeColor: '#FF0000',
      strokeOpacity: 0.8,
      strokeWeight: 2,
      fillColor: '#FF0000',
      fillOpacity: 0.35,
      map: map,
      center: citymap[city].center,
      radius: Math.sqrt(citymap[city].population) * 100
    };
    // Add the circle for this city to the map.
    cityCircle = new google.maps.Circle(populationOptions);
  }
}

google.maps.event.addDomListener(window, 'load', initialize);
```

Last updated March 17, 2015.