



# AnyChart/AnyMap

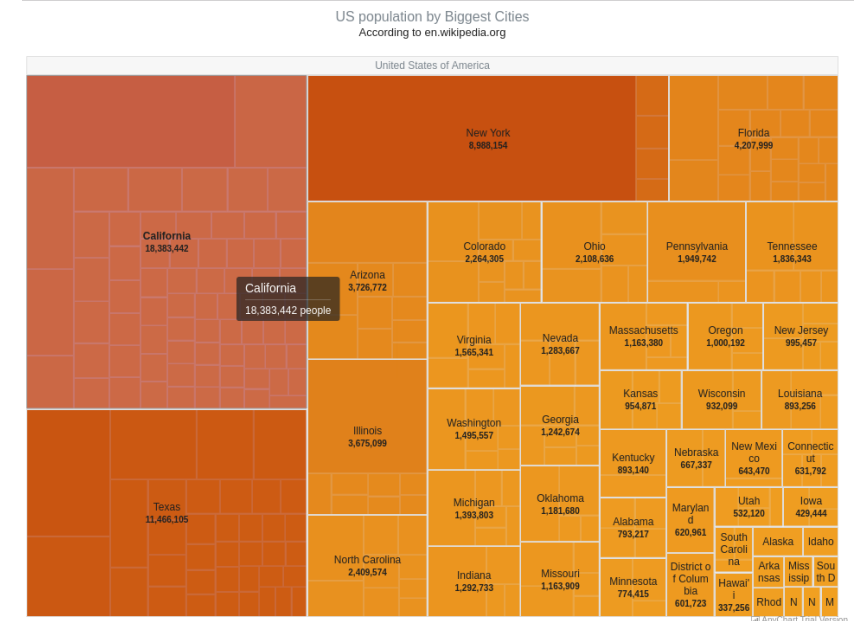
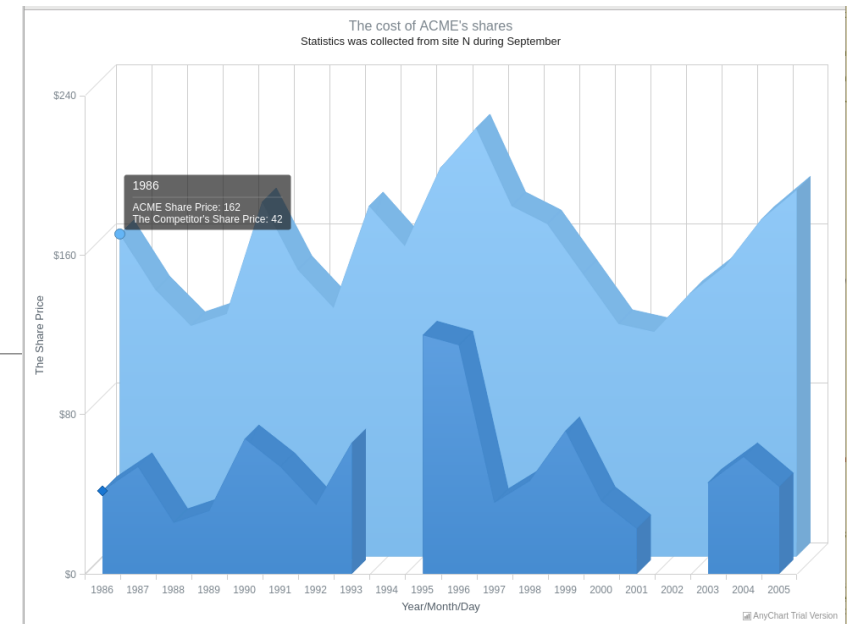
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# AnyChart

AnyChart is an Animated Chart Library

Provides common chart types:

- Pie
- Line
- Area
- Gauges
- TreeMap (My favorite)



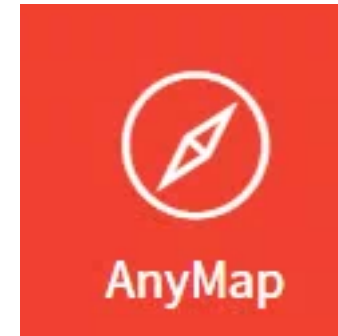
# AnyMap

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Mapping Library provided by AnyChart

Provides:

- Bubble map (circle markers)
- choropleth (thematic map)
- Connection map ( lines between locations)
- Drill down (country-state/province-county)
- Support for multiple projections



CDN/Website provides extensive shapefiles and geojson files for use in their maps. <sup>1</sup>

# Licensing

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Free for educational and non commercial use

Requires providing personal contact information

Downloads only available after correspondence with sales representative

Commercial licensing starting at \$49 per 2 developers to \$7999 for unlimited corporate license. <sup>2</sup>



# AnyMap Choropleth

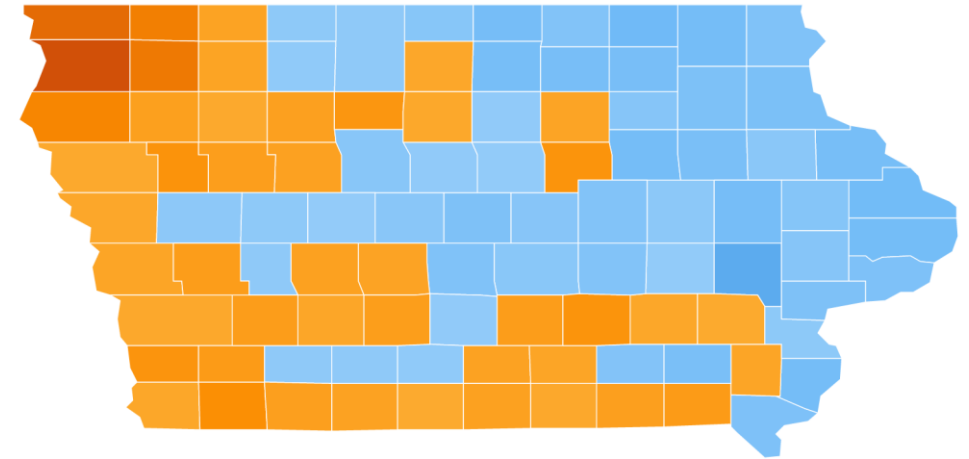
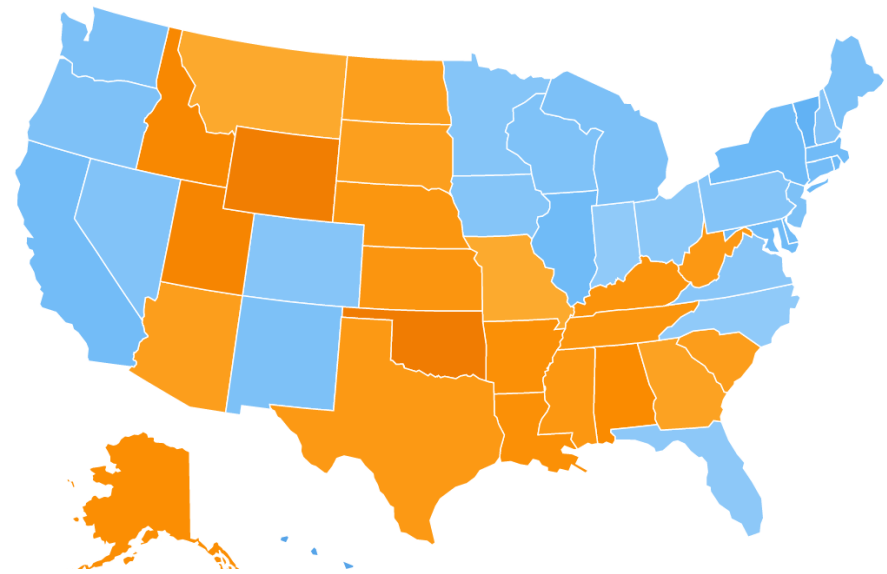
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Thematic map based on political boundaries

Can be Combined with circle markers to represent multiple dimensions

Uses “Series” arrays based on Two letter Country Code, state code abbreviations ie. Iowa = US.IA, Queensland = AU.QL

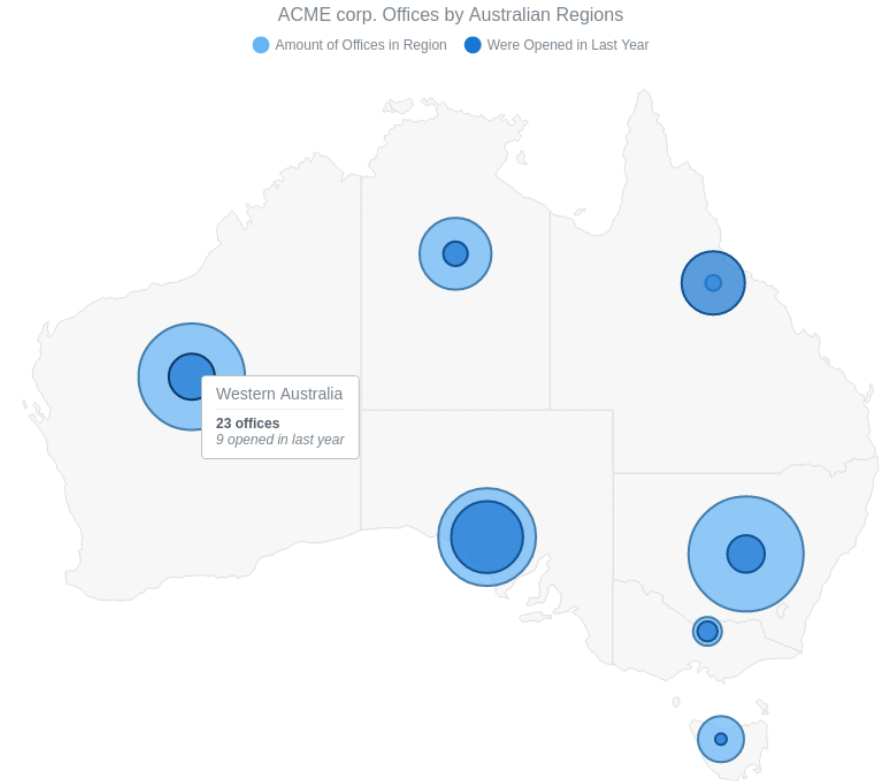
Supports Drill Down Country-State to State-County



# AnyMap Bubble Map

Anymap's name for circle markers

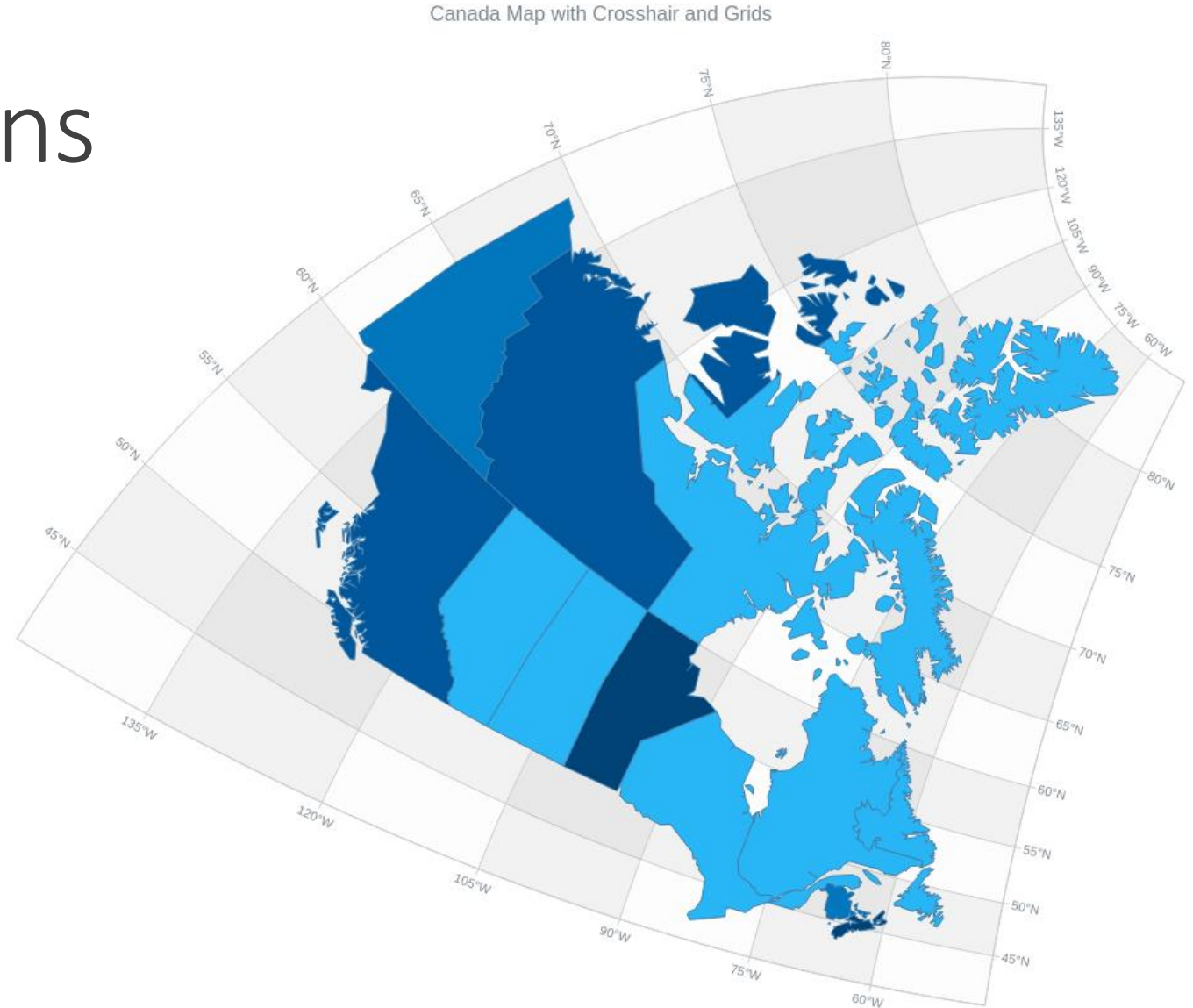
Can have multiple bubbles on the same point for multidimensional data.



# Anymap projections

13 different built-in projections including:

- Mercator
- Orthographic
- Fahey
- WGS84 <sup>3</sup>



# Pros Compared to leaflet

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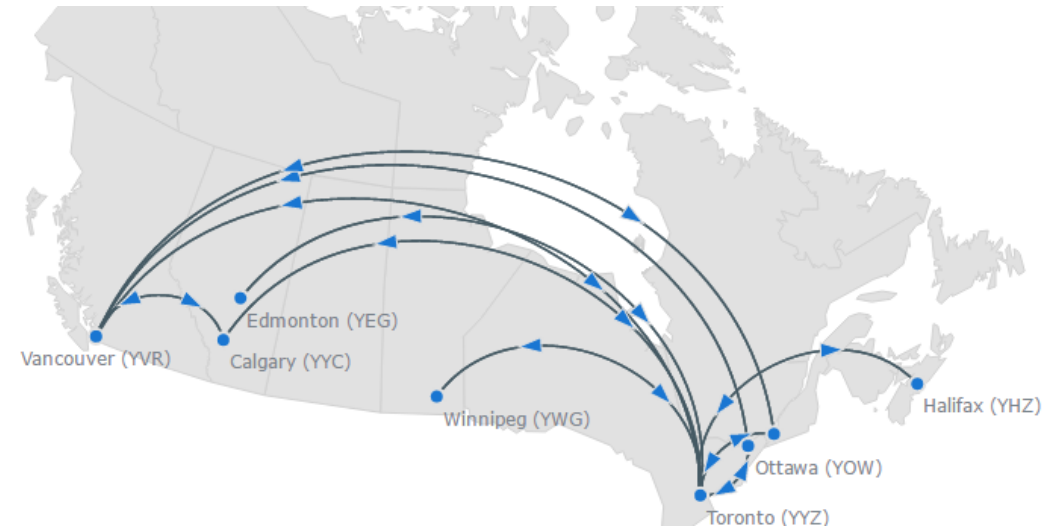
Drill Down

Line Connected Maps

Choropleth maps seems maybe slightly easier

Support for combining with AnyCharts charts

Animation





# Cons Compared to Leaflet

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As far as I can tell no basemap support

Lack of 3<sup>rd</sup> party plugins

Licensing is restrictive

Several Demos in official distribution didn't work

Less Community support



# API Example

```
<script>
anychart.onDocumentReady(function() {
  var dataSet = anychart.data.set([
    {'id': 'AU.WA', 'value': 300},
    {'id': 'AU.JB', 'value': 230},
    {'id': 'AU.NS', 'value': 240},
    {'id': 'AU.VI', 'value': 275},
    {'id': 'AU.NT', 'value': 130},
    {'id': 'AU.TS', 'value': 190},
    {'id': 'AU.CT', 'value': 100},
    {'id': 'AU.SA', 'value': 305},
    {'id': 'AU.QL', 'value': 190}
  ]);

  //
  var map = anychart.map();
  map.geoData(anychart.maps.australia,

  // set the series
  var series = map.choropleth(dataSet);

  // disable labels
  series.labels(false);

  // set the container
  map.container('container');
  map.draw();
});
</script>
```

Series data set indexed by  
2-2 letter abbreviation

Instantiate map

Geoshapes provided  
by AnyCharts CDN

ID of DIV

All AnyCharts charts require  
a call to draw to display

# References

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1. AnyChart CDN - content distribution network for JavaScript charting library. (2017). AnyChart CDN. Retrieved 12 April 2017, from <http://cdn.anychart.com/#maps-collection>
2. AnyChart | Buy. (2017). AnyChart. Retrieved 12 April 2017, from <http://www.anychart.com/buy/>
3. Map Projections | Maps | AnyChart Documentation ver. 7.13.1. (2017). AnyChart Documentation. Retrieved 12 April 2017, from [https://docs.anychart.com/7.13.1/Maps/Map\\_Projections](https://docs.anychart.com/7.13.1/Maps/Map_Projections)
4. AnyChart - Interactive JavaScript charts and dashboards for your projects.. (2017). AnyChart. Retrieved 12 April 2017, from <http://playground.anychart.com/>
5. Quick Start | AnyChart | AnyChart Documentation. (2017). AnyChart Documentation. Retrieved 12 April 2017, from <https://docs.anychart.com/>