



# **Risk Profiler Components Documentation**

March 31st 2020



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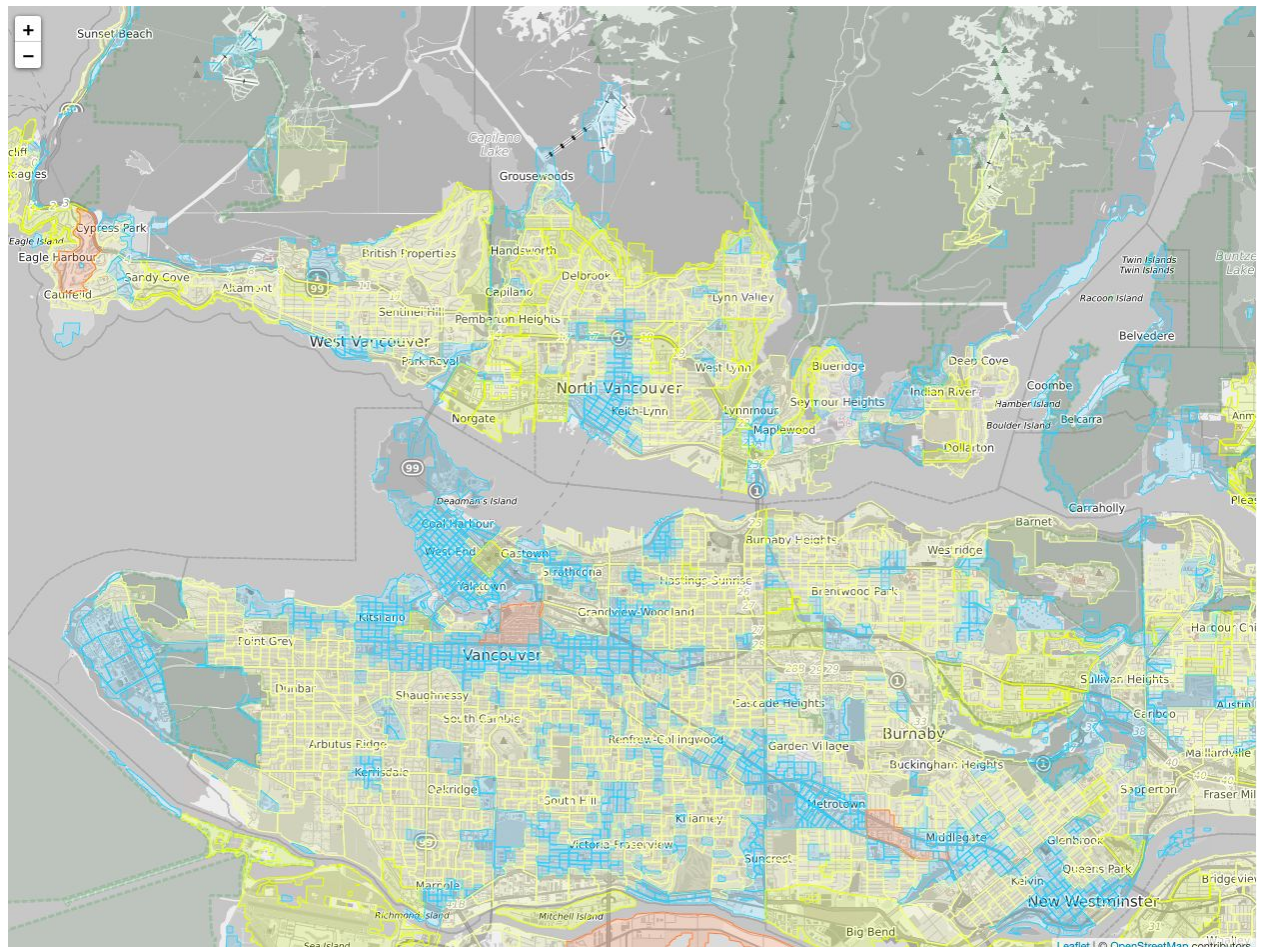
[Choropleth](#)

# Components

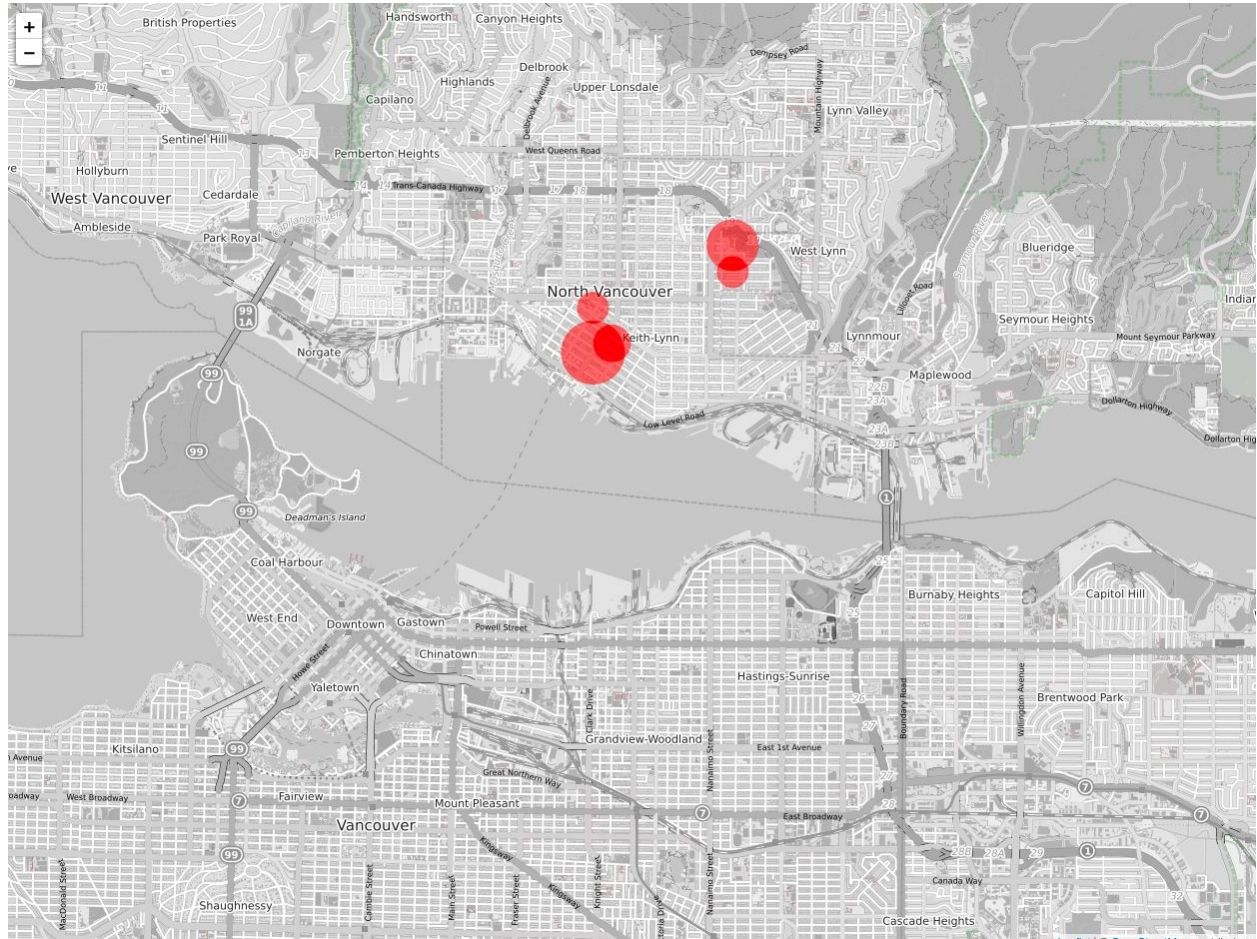
Please find below a list of implemented components:

## Maps

### Choropleth

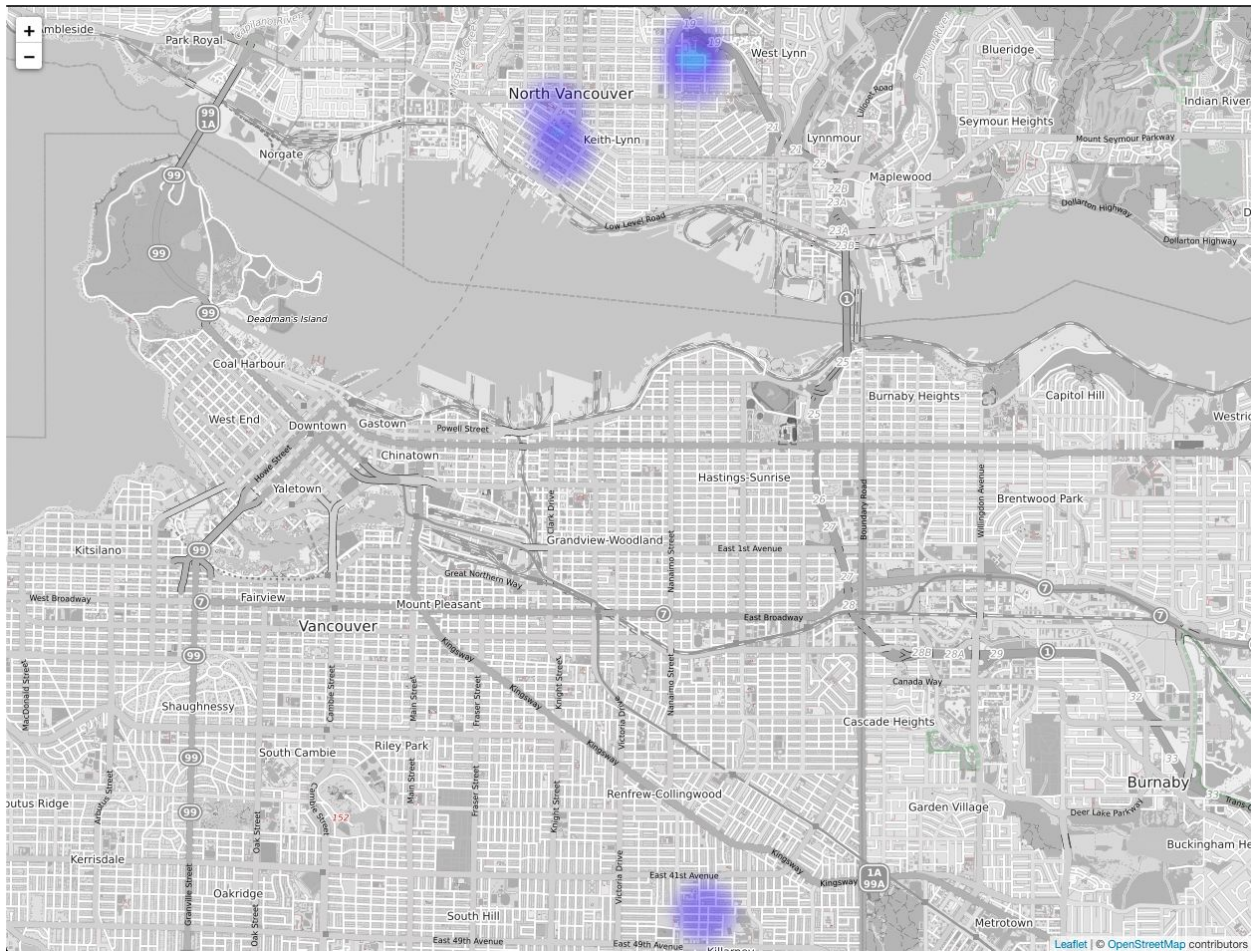


## Bubble map

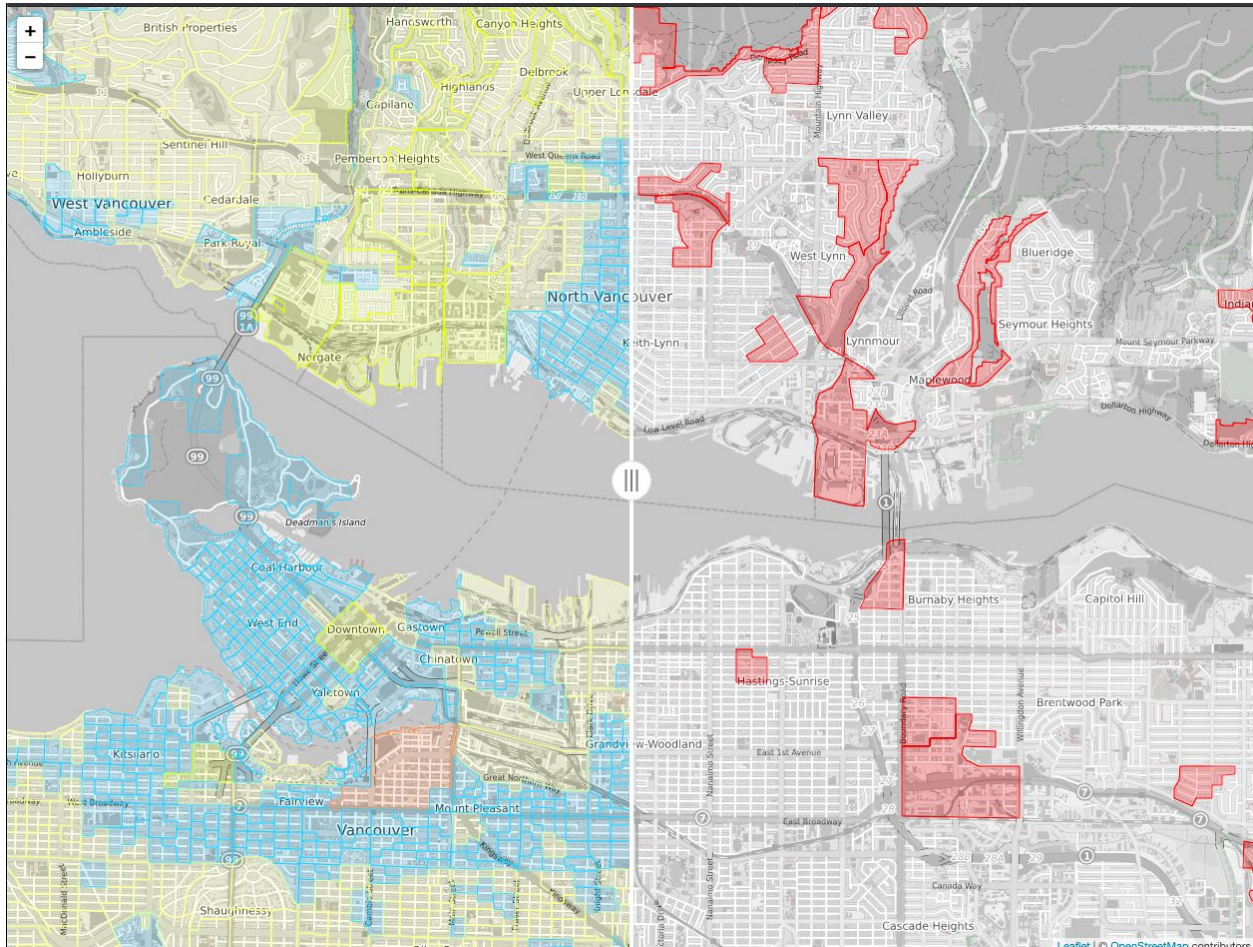




# Density Map

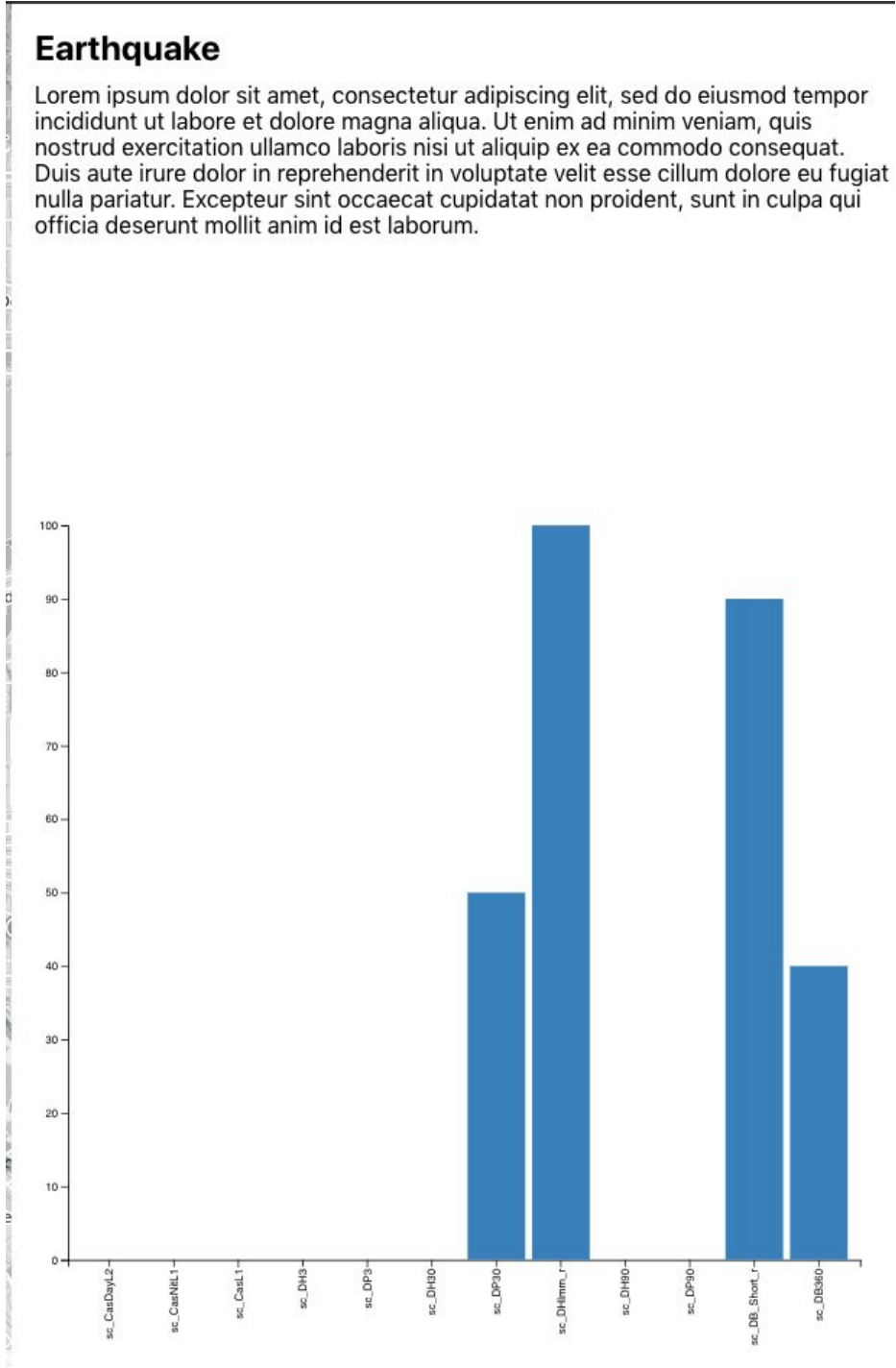


## Swipe maps



# Charts

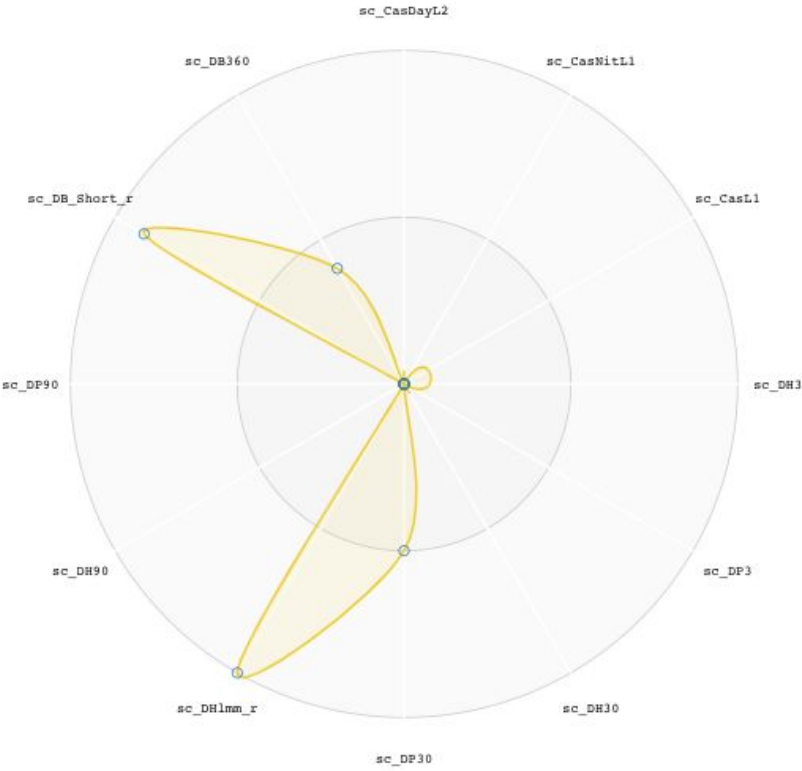
## Barchart



Radar chart

Earthquake

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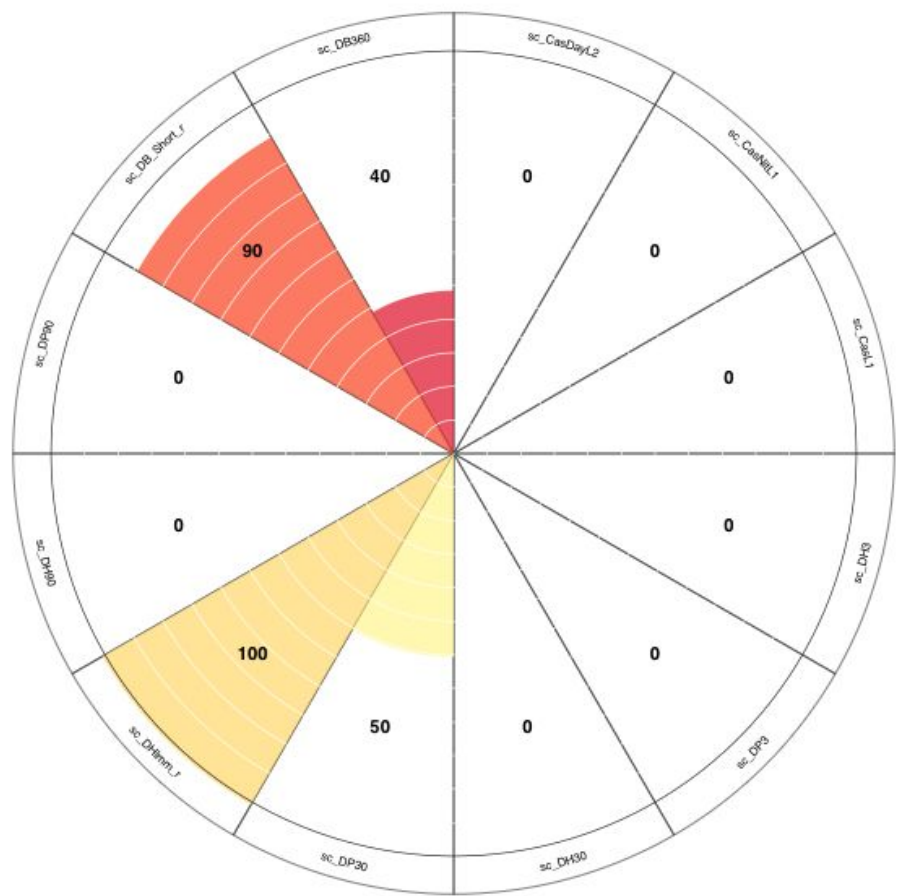




Asterchart

Earthquake

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# Table

## Earthquake

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Attributes	
Attribute	Value
sc_CasDayL2	0
sc_CasNitL1	0
sc_CasL1	0
sc_DH3	0
sc_DP3	60
sc_DH30	50
sc_DP30	80
sc_DHImm_r	0
sc_DH90	0
sc_DP90	0
sc_DB_Short_r	0
sc_DB360	0

# Configuration

This Application receives attributes through the url (GET parameters) that allows to configure the Title, chart text, map, chart and attribute to display.

Parameter	Description	Options
title	Title. This is the title for the component	N/A
text	Chart text. This is the text for the chart	N/A
scenario	Scenario. This selects the datasource (endpoint) to get the geojson file.  Currently there are 4 different scenarios.  This object is defined in src/utils/services/dataSources.js (see figure 1)	<ul style="list-style-type: none"><li>• earthquake_affectedpeople (datapoints)</li><li>• hazard (polygons)</li><li>• hazardThreat (polygons)</li><li>• damageState (polygons)</li></ul>
mapType	Map. This selects which map should be displayed.  Bubble and Density maps need a geojson composed of data points.  Choropleth needs a geojson composed of polygons.  Swipe map will use the same datasource for both maps, but the left will use property and the right map property2	<ul style="list-style-type: none"><li>• swipe</li><li>• choropleth</li><li>• bubble</li><li>• density</li></ul>
chart	Datachart. This selects which data chart should be displayed.	<ul style="list-style-type: none"><li>• barchart</li><li>• asterchart</li><li>• radarchart</li><li>• table</li></ul>

property	Property to draw. This indicates what property will be used to draw the multiple objects in the map, i.e. Eq_Bldgs, sc_DP30	This is an attribute from each feature
property2	Property to draw in the right map on the Swipe maps component.  This indicates what property will be used to draw the multiple objects in the map, i.e. Eq_Bldgs, sc_DP30	This is an attribute from each feature
center	This is the center for the map. This is composed by lat and long separated by comma (,)	Example: 49.3,-123.07

```
// define some datasources
const dataSources = {
  earthquake_affectedpeople: {
    url: 'https://s3-us-west-2.amazonaws.com/data.info-viz.cctech.io/samples/dsra_indicators_affectedpeople_idm7p1_jdf_rlz_0_b0.json',
  },
  hazard: {
    url: 'https://s3-us-west-2.amazonaws.com/data.info-viz.cctech.io/samples/dsra_sim6p8_cr2022_rlz_1_b0_scenario_hazard_agg_view.geojson',
  },
  hazardThreat: {
    url: 'https://s3-us-west-2.amazonaws.com/data.info-viz.cctech.io/samples/dsra_sim6p8_cr2022_rlz_1_b0_scenario_hazard_threat_agg_view.geojson',
  },
  damageState: {
    url: 'https://s3-us-west-2.amazonaws.com/data.info-viz.cctech.io/samples/dsra_sim6p8_cr2022_rlz_1_b0_damage_state_agg_view.geojson',
  },
}
```

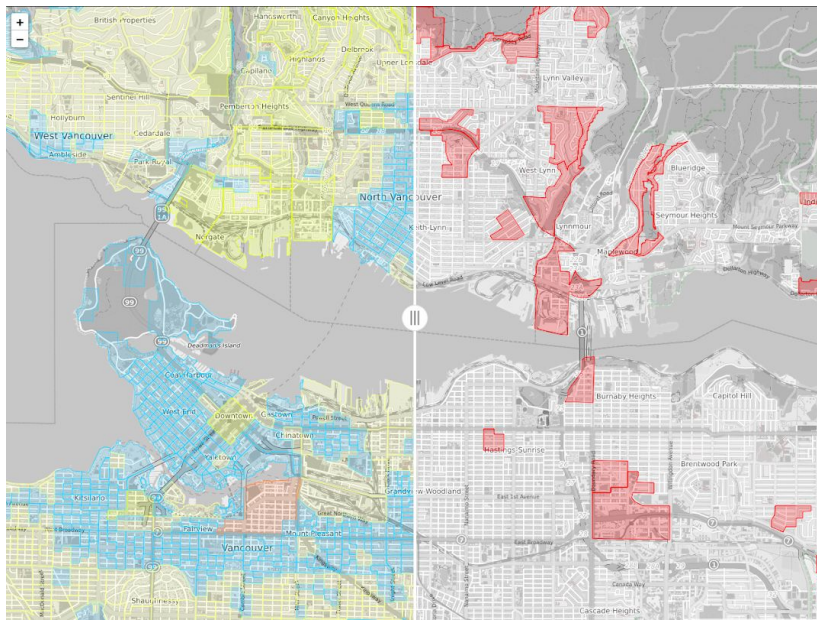
Figure 1.



# Examples

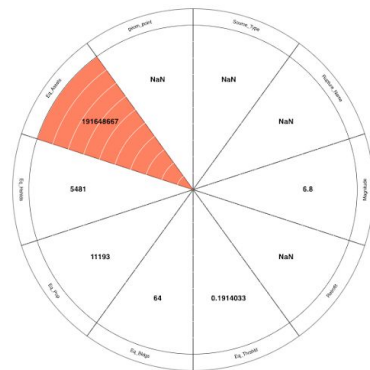
## Swipe maps with Asterchart

[http://dev.info-viz.cctech.io.s3-website-us-west-2.amazonaws.com/?scenario=hazardThreat&mapType=swipe&chart=asterchart&property=Eq\\_Bldgs&property2=Eq\\_Bldgs&center=49.3,-123.07&title=Earthquake](http://dev.info-viz.cctech.io.s3-website-us-west-2.amazonaws.com/?scenario=hazardThreat&mapType=swipe&chart=asterchart&property=Eq_Bldgs&property2=Eq_Bldgs&center=49.3,-123.07&title=Earthquake)



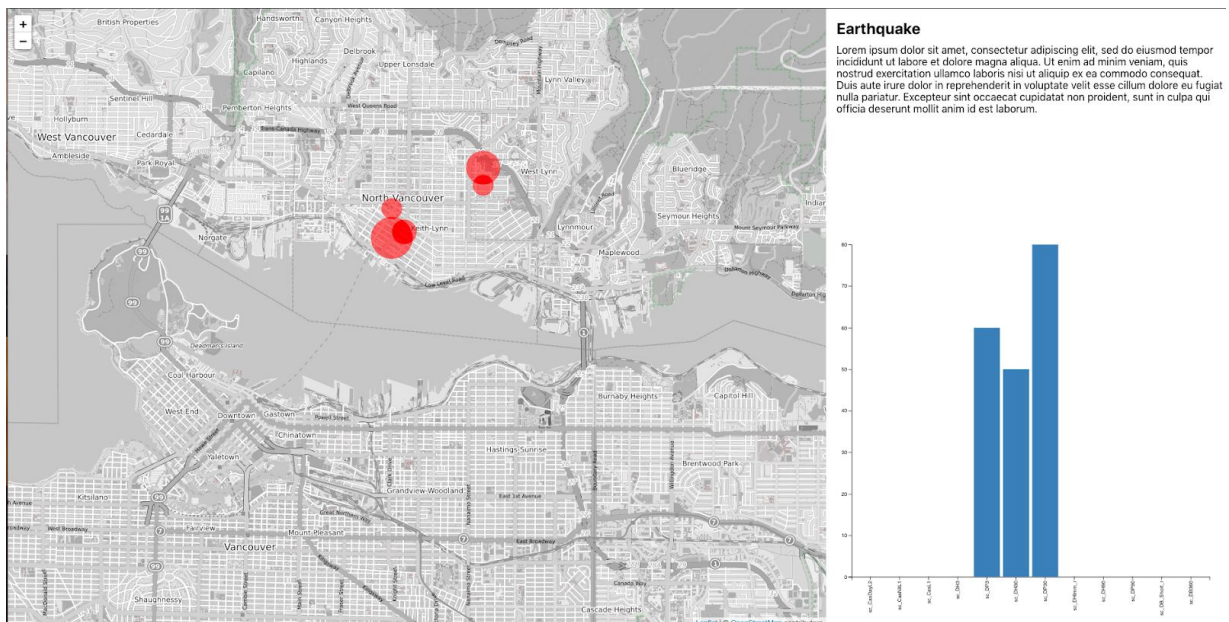
### Earthquake

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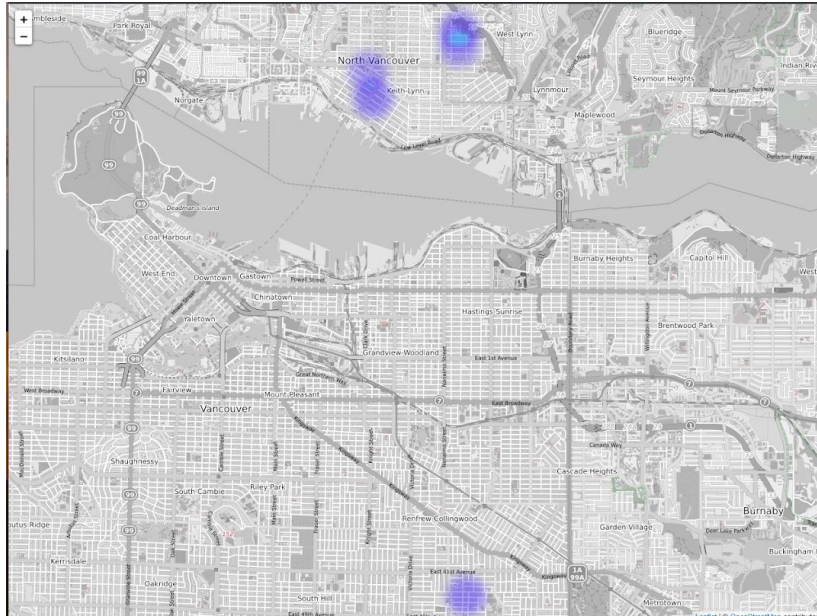
## Bubble map with barchart

[http://dev.info-viz.cctech.io.s3-website-us-west-2.amazonaws.com/?scenario=earthquake\\_affectedpeople&mapType=bubble&chart=barchart&property=sc\\_DP30&property2=Eq\\_Bldgs&center=49.3,-123.07&title=Earthquake](http://dev.info-viz.cctech.io.s3-website-us-west-2.amazonaws.com/?scenario=earthquake_affectedpeople&mapType=bubble&chart=barchart&property=sc_DP30&property2=Eq_Bldgs&center=49.3,-123.07&title=Earthquake)



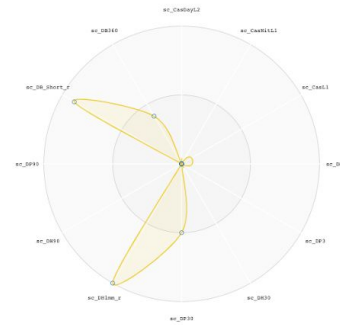
# Density map with Radar chart

[http://dev.info-viz.cctech.io.s3-website-us-west-2.amazonaws.com/?scenario=earthquake\\_affectedpeople&mapType=density&chart=radarchart&property=sc\\_DP30&property2=Eq\\_Bldgs&center=49.3,-123.07&title=Earthquake](http://dev.info-viz.cctech.io.s3-website-us-west-2.amazonaws.com/?scenario=earthquake_affectedpeople&mapType=density&chart=radarchart&property=sc_DP30&property2=Eq_Bldgs&center=49.3,-123.07&title=Earthquake)



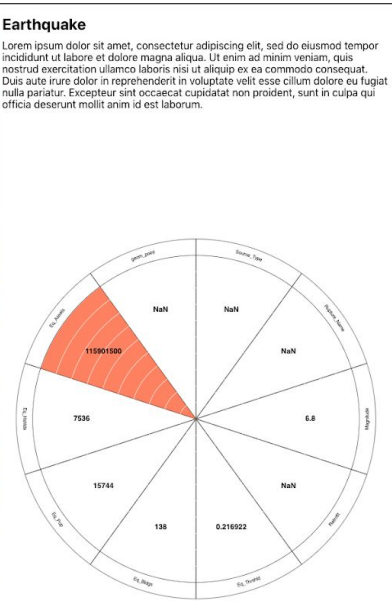
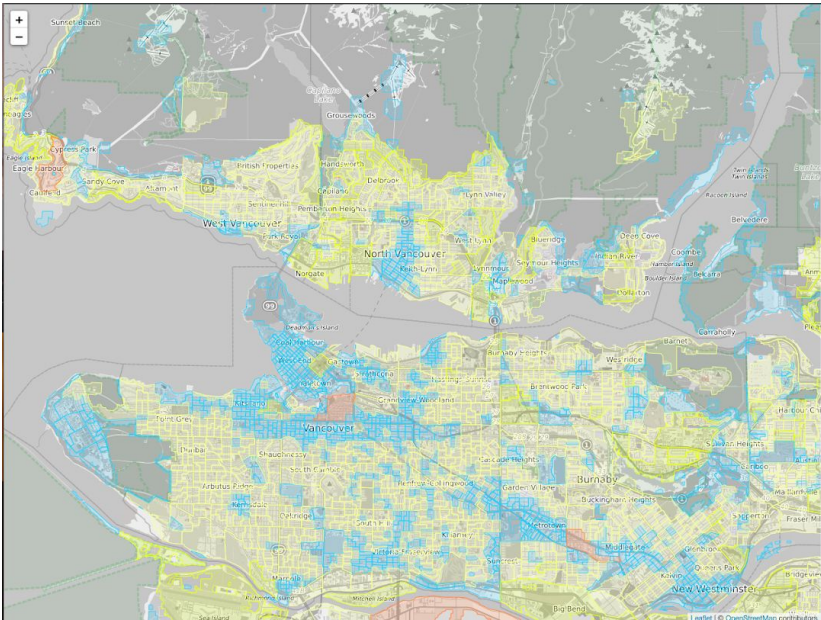
## Earthquake

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# Choropleth

[http://dev.info-viz.cctech.io.s3-website-us-west-2.amazonaws.com/?scenario=hazardThreat&mapType=choropleth&chart=asterchart&property=Eq\\_Bldgs&property2=Eq\\_Bldgs&center=49.3,-123.07&title=Earthquake](http://dev.info-viz.cctech.io.s3-website-us-west-2.amazonaws.com/?scenario=hazardThreat&mapType=choropleth&chart=asterchart&property=Eq_Bldgs&property2=Eq_Bldgs&center=49.3,-123.07&title=Earthquake)





## CSS Configuration

To create viewport based variants of the presentation, enclose different viewport scenarios in media queries with different CSS grid configurations.

The grid configurations allow for very flexible layout. I have defined a 3x3 grid and these can be easily defined like so:

For instance for desktop, 701px viewport or larger:

```
@media (min-width: 701px) {  
  .infoViz {  
    grid-template-areas:  
      "leaflet leaflet narrative"  
      "leaflet leaflet narrative"  
      "leaflet leaflet chart";  
  }  
}
```

And here is a mobile viewport query with a stacked rather than portrait view

```
@media (max-width: 700px) {  
  .infoViz {  
    grid-template-areas:  
      "leaflet leaflet leaflet"  
      "narrative narrative narrative"  
      "chart chart chart";  
  }  
}
```

Both of these are found in the src/App.css but can be in any style sheet exposed to the components.