

# GIS Heat Maps

## Overview

The GIS Heat Map is an advanced form of GIS Bubble Chart, which uses GIS Points to specify bubble positions, and a metric to specify the heat color of the area.

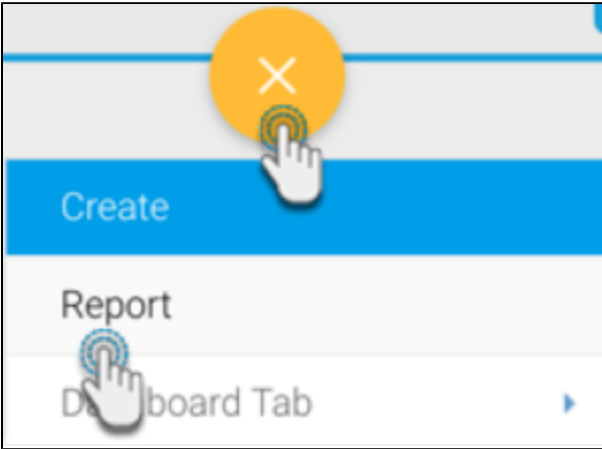
### Chart data options

Option	Description
Geo Field	The field containing the GIS Point data.
Color	A metric field that represents the heat color of the area.

## Instructions

This tutorial demonstrates how to use a GIS heat map with your dataset.

1. Click on the **Create** button and select **Report** to begin building your report.



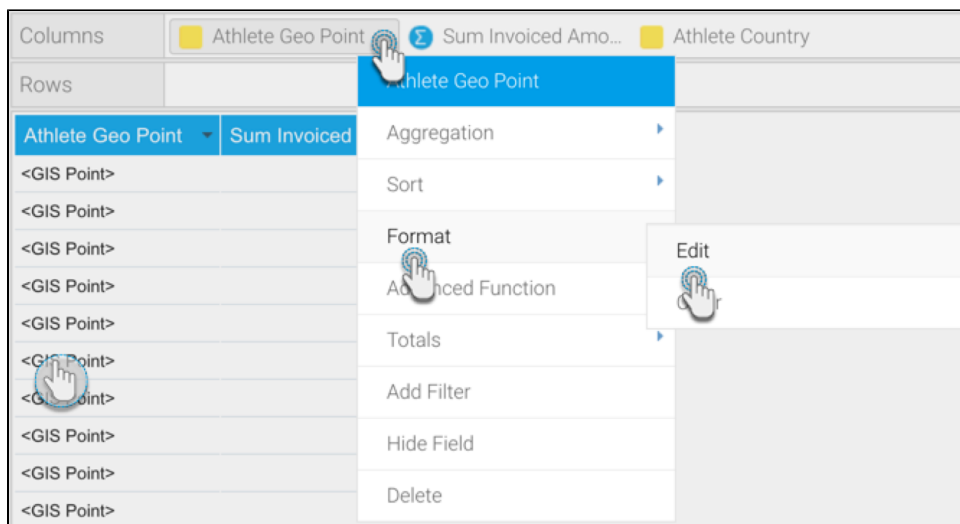
2. Select your preferred View containing the GIS data. For the purpose of this example, we will choose *Ski Team*.

View	Recent Use ↓	Source	☆
Ski Team	██████████	Ski Team	☆
Chicago Crime Incidents	██████	ChicagoCrime	☆
Yellowfin Usage Audit	████	Yellowfin Configuration Database	☆

3. When at the Report Builder page, add your required data, including the GIS and metric data fields to the report. For example, we will use the *Athlete Geo Point*, and *Sum Invoiced Amount* fields in our report.
4. Click below to see an optional formatting tip to display geopoint or geo polygon data in its original form.

By default, the report builder formats geoint or geo polygon data to 'Default Geometry' (so it's displayed like in the example below). However you can view geo points or polygons in their original form by changing the formatting.

- a. To do so, click on **Format** in the geoint column menu, then select **Edit**.



- b. Then select 'Raw Formatter' from the **Format** field in the popup.

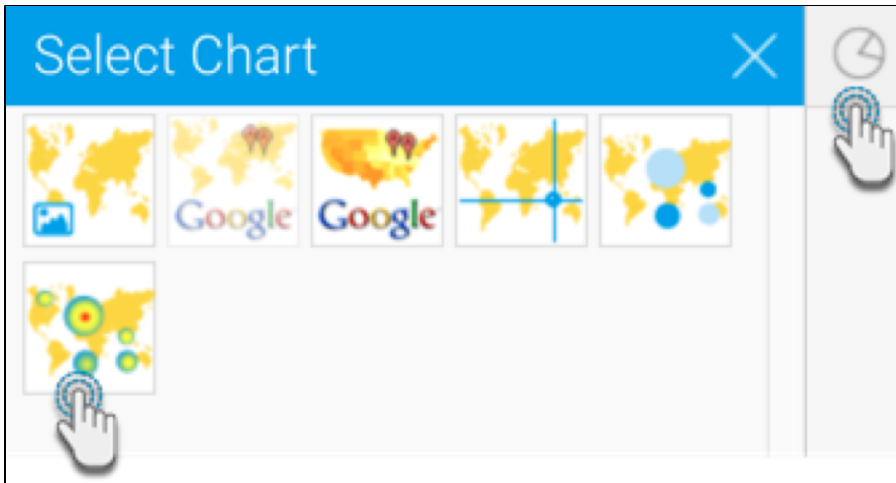


- c. Close the popup. The geoint data will be visible in its original form in the report.

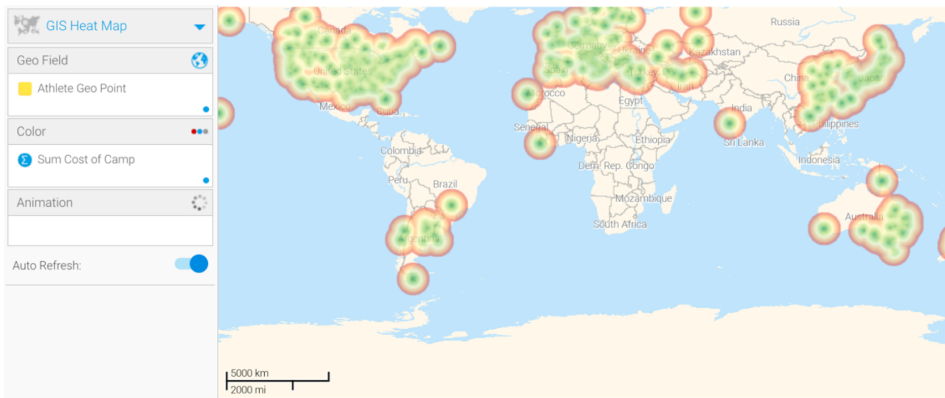
Athlete Geo Point
POINT(53.25 12.2)
POINT(51.35 7.15)
POINT(-32.06 -60.64)
POINT(-35.45 -60.89)
POINT(-34.5 -58.75)
POINT(43.8 -79.53)
POINT(38.32 -0.78)
POINT(38.4 -0.43)
POINT(38.72 -7.22)
POINT(40.88 -4.72)
POINT(42.12 3.13)
POINT(43.15 -79.5)
POINT(43.32 -79.8)

- d. **Warning:** Note that applying raw formatting on a large geoint or geo polygon data set, may slow your report's processing time.

5. Navigate to the **Charts** page, and expand the chart selection menu. Choose **GIS Heat Maps** from this selection.



6. Next, fill the required fields for your GIS chart, for example drag Athlete Geo Point to the Geo Field component, and your selected metric to the Color component. You can refer to the above Chart Data Options section for a description of all the components.
7. You will be able to see your GIS heat map chart. The heat color range based on the value of the metric field. (You can change the color range in the Series settings).



8. The above example shows the default background image (World image) of the GIS map that provides context to the location.
9. You can hide this image by configuring the map settings. There's two ways to do so:
  - a. Click **Chart Settings**, expand **Style**, and disable the **GIS Base Layer** toggle.
  - b. Go to **Administration > Content Setting > Maps Settings** and disable the **GIS Base Layer** toggle.
10. You can also use the chart formatting settings to further configure your Google chart. Refer to our [chart formatting](#) section for more information.
11. Or you could add a layer to your map chart. Learn more about this [here](#).
12. Once done, save your map.