GIS Bubble Map

Getting Started

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The GIS Bubble Map is an advanced form of Bubble Chart, which uses GIS Points to specify bubble positions, making them correspond to GIS and WMS layers that can be used to add detail to the map.

GIS Bubble Map Tutorial

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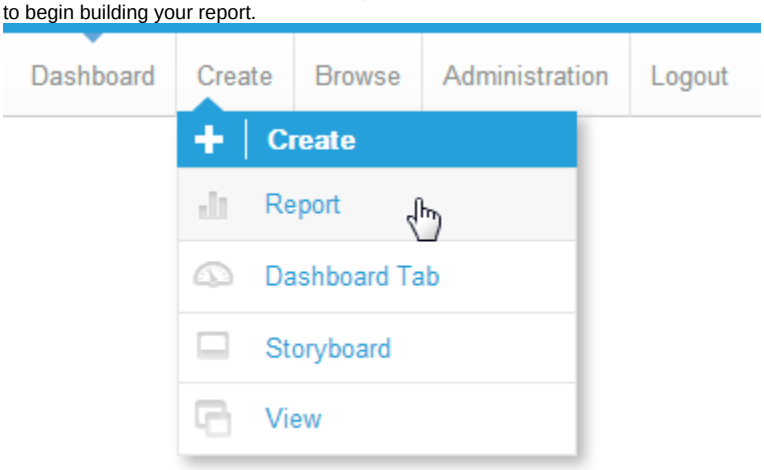
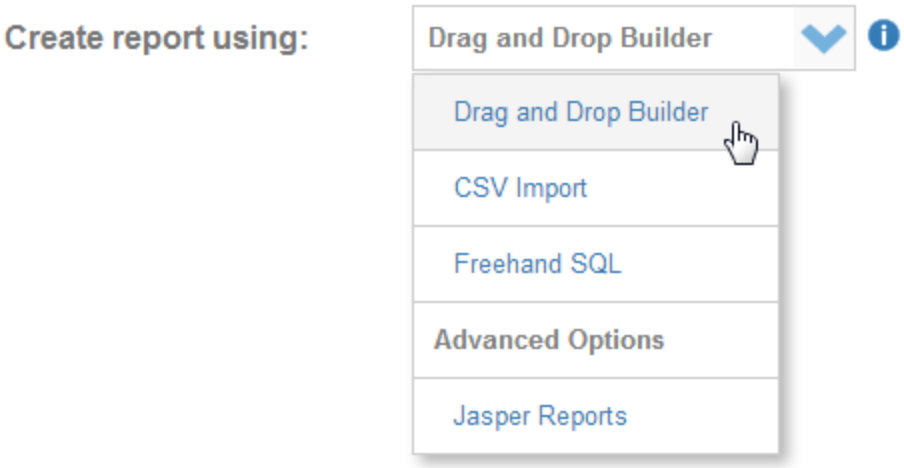
1. Click on the **Create** link and select **Report** to begin building your report.

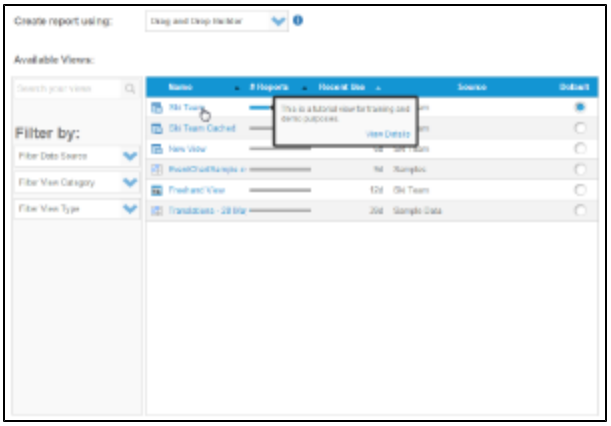


2. You should now be on the Initialise Report page. Select the **Drag and Drop Builder** as the build tool.



3. Select **Ski Team** as the View.

4. Now click the  button to proceed.



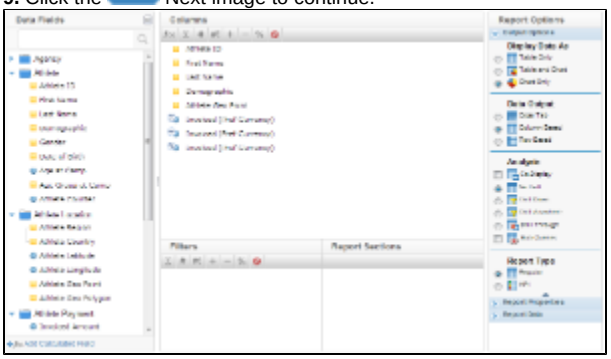
5. From the **Athlete category, drag in Athlete ID, First Name, Last Name,** and **De mographic**

6. From the Athlete Location category, drag in the **Athlete Geo Point**

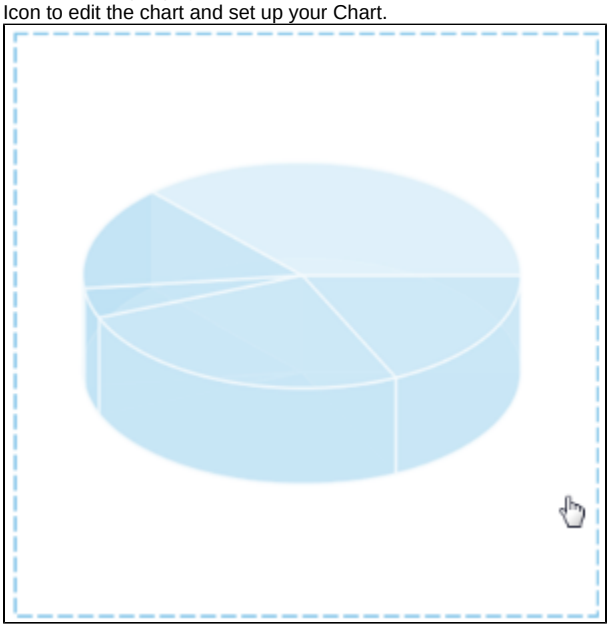
7. Now drag in your metrics, in this example **In voice (Pref Currency)** is used three times, as a **SUM, MAX, and AVERAGE.**

8. Ensure the display is set to **Chart Only.**

9. Click the  Next image to continue.



10. On the output page click on the Chart Icon to edit the chart and set up your Chart.



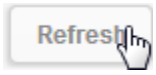
11. From the Chart Menu select **Map**. Next, select the **GIS Bubble Map** type. Click **Save** to complete your selection.

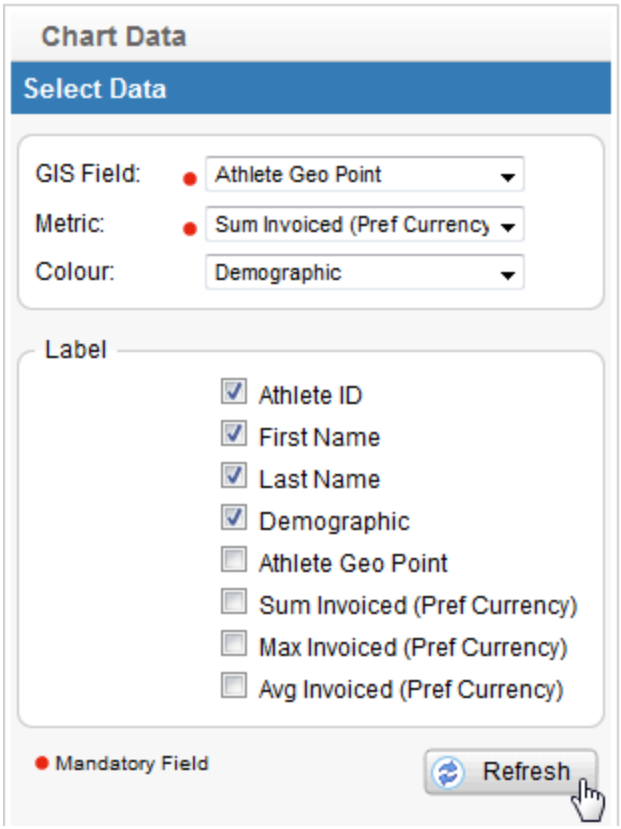
12. You will now see the Chart Data section updated with fields relevant to GIS Maps.

13. Select:

GIS Field: **Athlete Geo Point**
Metric: **Sum Invoice (Pref Currency)**
Colour: **Demographic**
Label: **Athlete ID, First Name, Last Name**

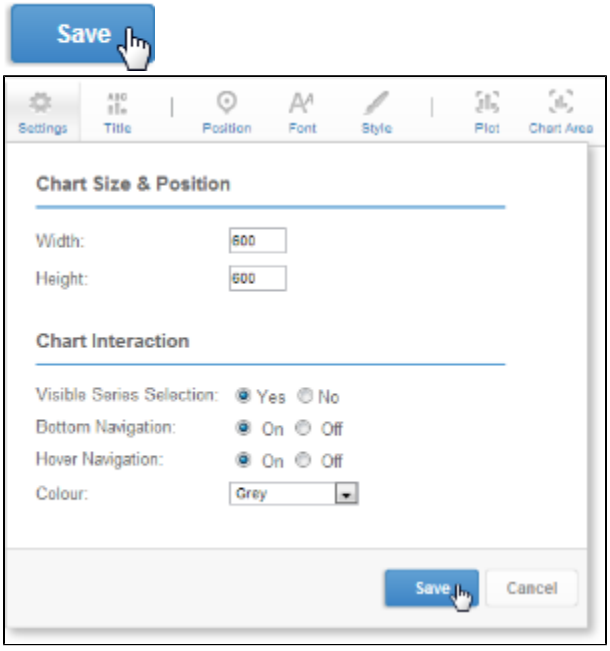
14. Click **Refresh** to display your chart.



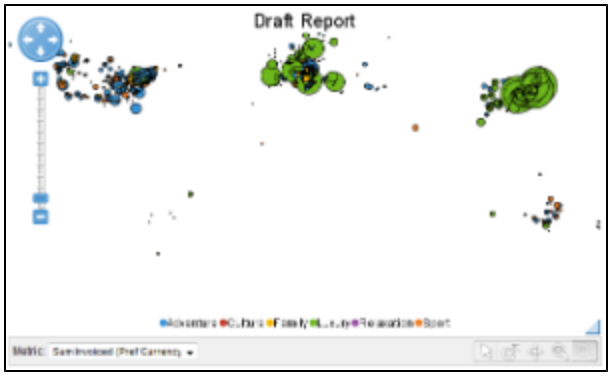


15. In the Chart Format options, select **Visible Series Selection** and turn on the **Hover Navigation**, setting the colour to **Blue**.

16. Click **Save** to update your chart.



17. Your chart should now look something like this.



Adding a WMS Layer

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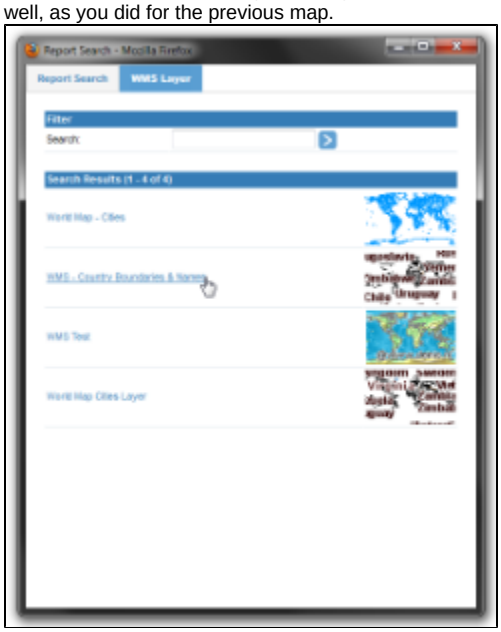
1. Now add a WMS layer to the map that will be used as a background.

2. Click on the Add Layer link

3. Select the **WMS Layer** tab and click on the **WMS – Coastlines, Land, and Ocean layer**.

4. Add the **GIS World Background layer** as well, as you did for the previous map.



5. Your chart should now look like this one. While this does have the additional information required, it doesn't look very good.

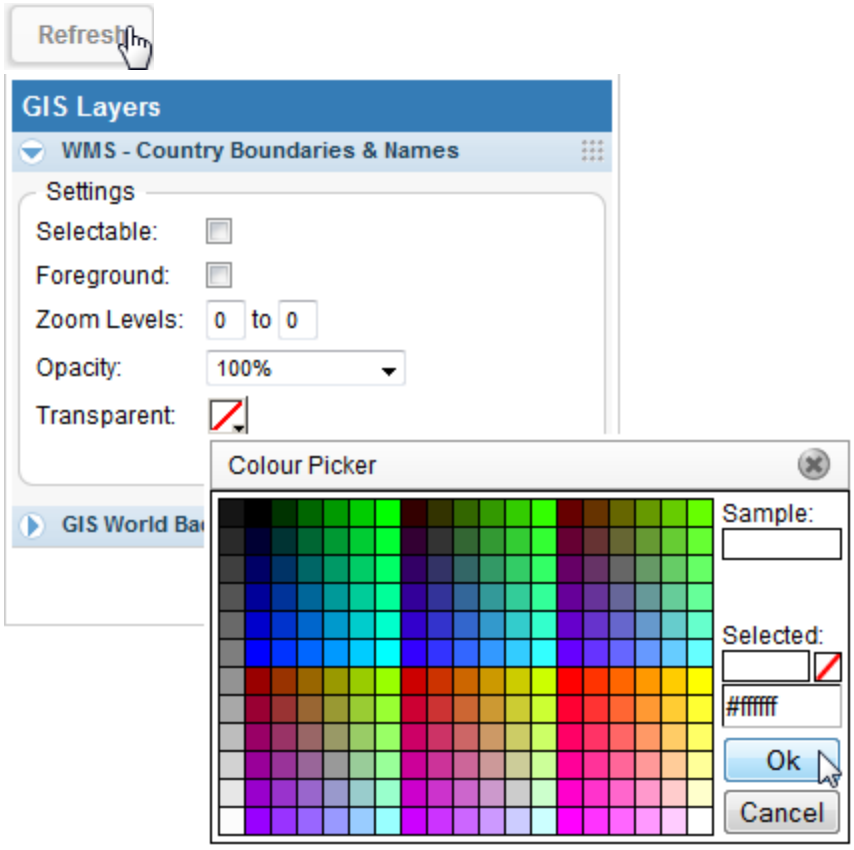
6. The WMS layer needs to be above the background, and the white needs to be changed to transparent.

7. Drag the WMS layer by clicking on the right hand side of the heading bar in the series settings and drag it to above the background layer.

8. Change the Transparent colour to **White (#FFFFFF)**.

9. Set the Zoom Levels to **3** to **0**. This will mean that this layer will only be displayed once you have zoomed in twice.

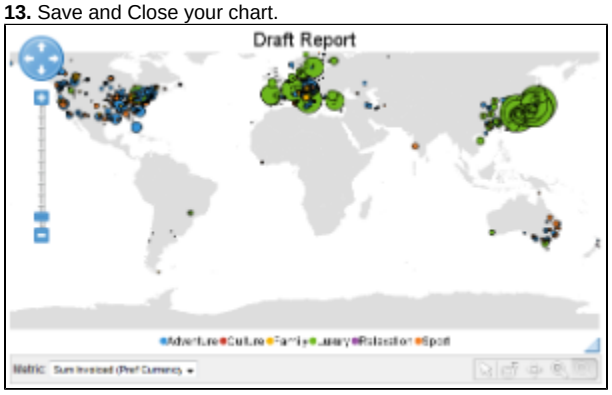
10. Click **Refresh** to view your updated chart.



11. You should now have a chart that looks like this

12. You are able to zoom in and out using the navigation and select different series to display as bubble size.

13. Save and Close your chart.



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