IMAGE ROLE

This feature was introduced in **Tableau Ver 2022.4**

In general images are much better when we need to analyze data. It helps the end-users in better understanding the data insights and the visualizations.

Image Role is a new field semantic that offers a scalable and automated way to bring image assets into Tableau.

We can now add images to links (URLs) in the data and display them as row or column headers.

This image role feature allows better management of image assets within Tableau and optimize the overall size of workbooks.

IMAGE ROLE

Before using the Image Role, we need to ensure the data source is in the expected format

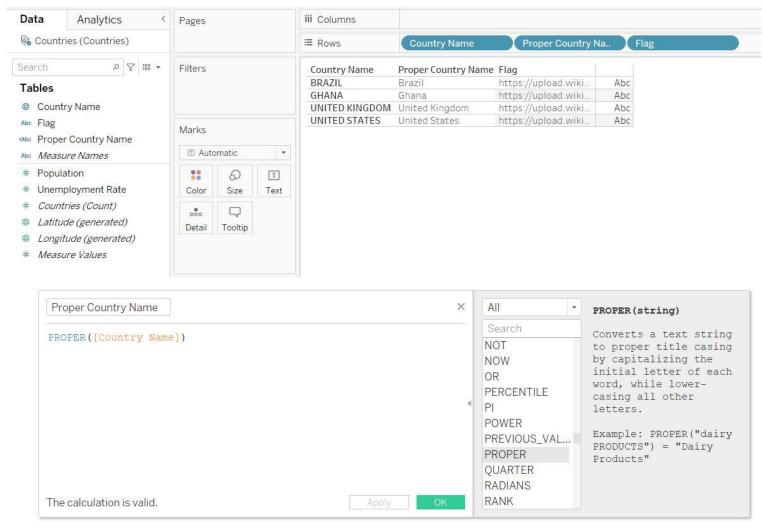
Image Role can be assigned to **discrete dimension** fields that contain **URLs** that point to web images.

To prepare the data, we need to ensure that the image fields meet the requirements set by Tableau to be assigned an image role:

- The URLs navigate to image files with .png, .jpeg or jpg extensions
- Verify that each URL begins with http or https. If a transport protocol isn't included,
 Tableau assumes https
- Optimize the number of images used in the data set (Usually, we can load up to 500 images per field)
- Ensure that each image file is smaller than 128 KB

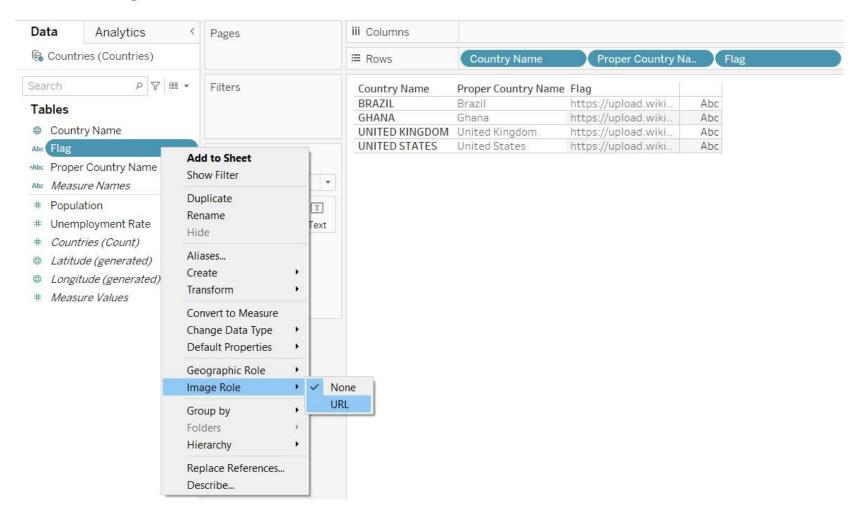
After we connect to the data source, we can assign an **Image Role** to the **URLs** from either the **Data Source page** or on the **Data pane** in a **worksheet**

Step 1: Locate the discrete dimension that has image URLs e.g: Flag

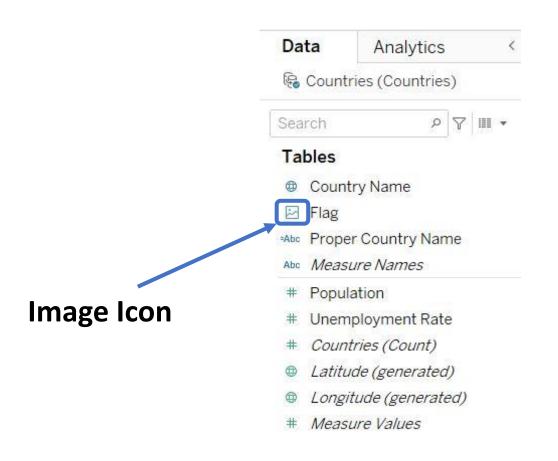


Proper Country Name is a Calculated Field using the PROPER string function

Step 2: Right-click (control-click on Mac) on the dimension i.e., **Flag** Select **Image Role** > **URL**



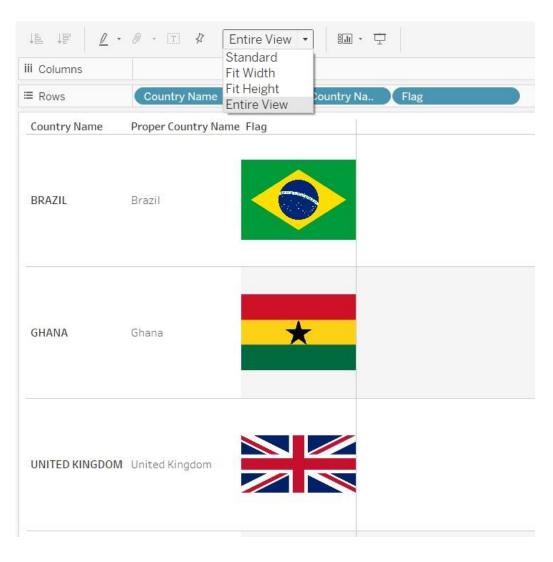
Step 3: Note that the icon of the dimension is changed to an Image icon



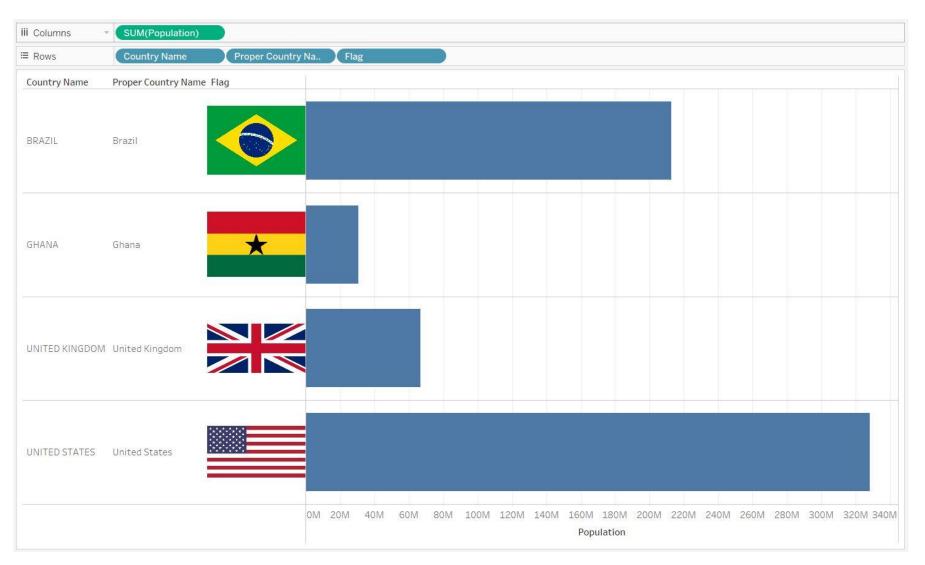
Step 4: If we bring in the Image Role field into the view either in Rows or Columns shelf, we will be able to see the images along with the related data in the viz



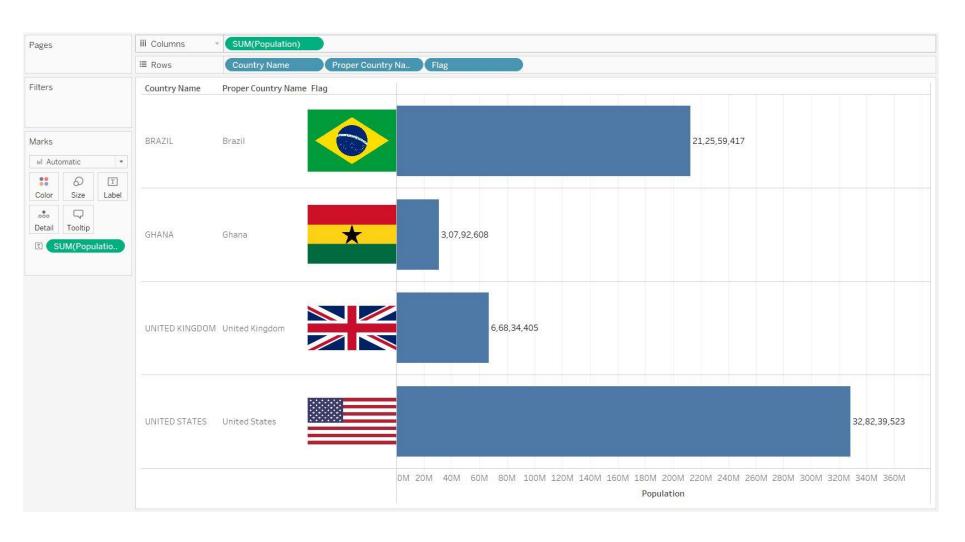
Step 5: If required we can select Entire View



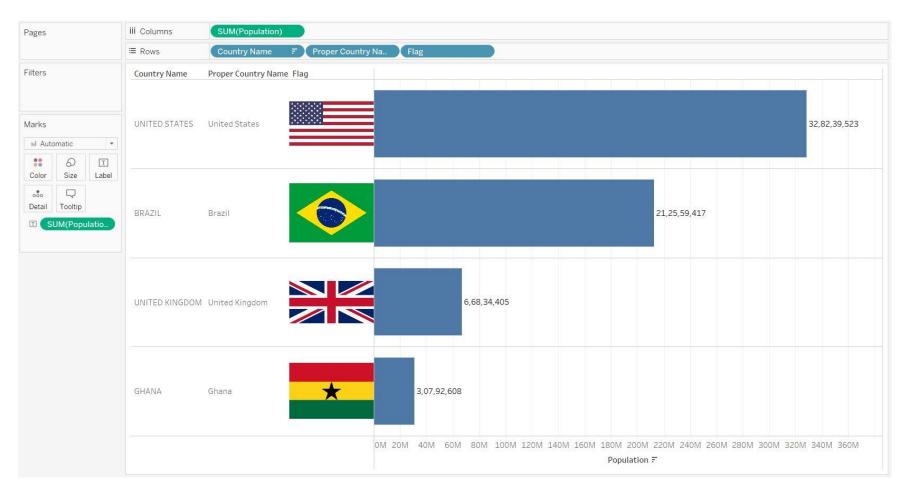
Step 6: If required we can drag a measure into the Columns shelf e.g: Population



Step 7: If required we can drag and drop the same measure to Label of Marks card

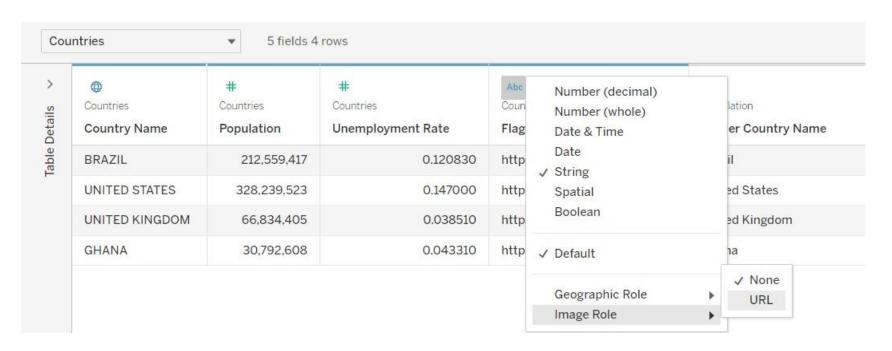


Step 8: If required we can sort the view as per our requirement. This is the final view of Population per Country with the Flags of each country visible in the viz due to the **Image Role** feature



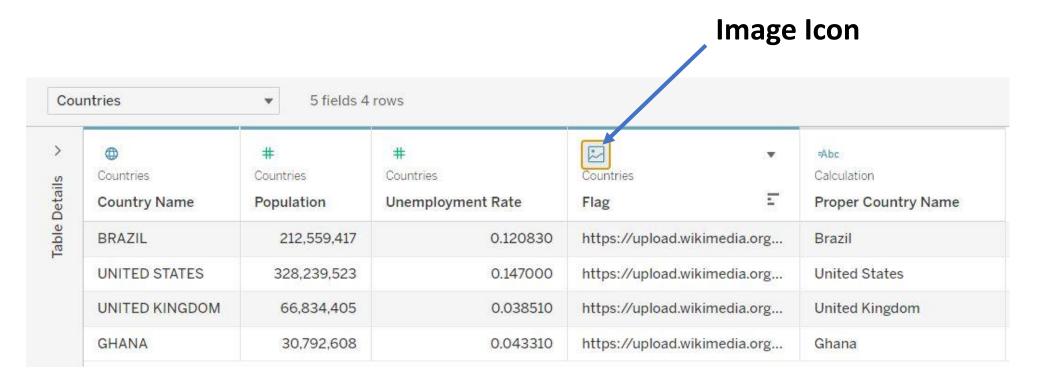
STEPS TO ASSIGN THE IMAGE ROLE FROM THE DATA SOURCE PAGE

Step 1: Right-click (control-click on Mac) on the **Data Icon** on the top left side of the related column/ dimension i.e., **Flag**Select **Image Role** > **URL**



STEPS TO ASSIGN THE IMAGE ROLE FROM THE DATA SOURCE PAGE

Step 2: Note that the icon of the dimension is changed to an Image icon



The further steps are like the steps carried out when assigning the image role from the Data Pane in a worksheet