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Date: 11 May 2021

Key Indicator Dashboard: Tableau Assessment – Writeup

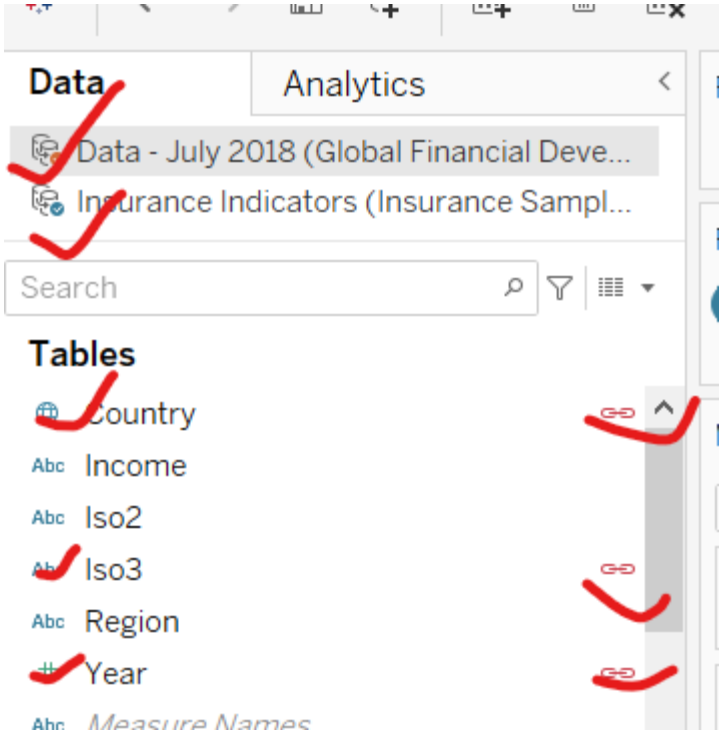
Problem Statement: Create a dashboard to do a comparative study on various parameters of different countries using the sample insurance dataset and world development indicators dataset.

1. **We will follow the below set of instructions provided in the assessment to build the Dashboard**

Solution:

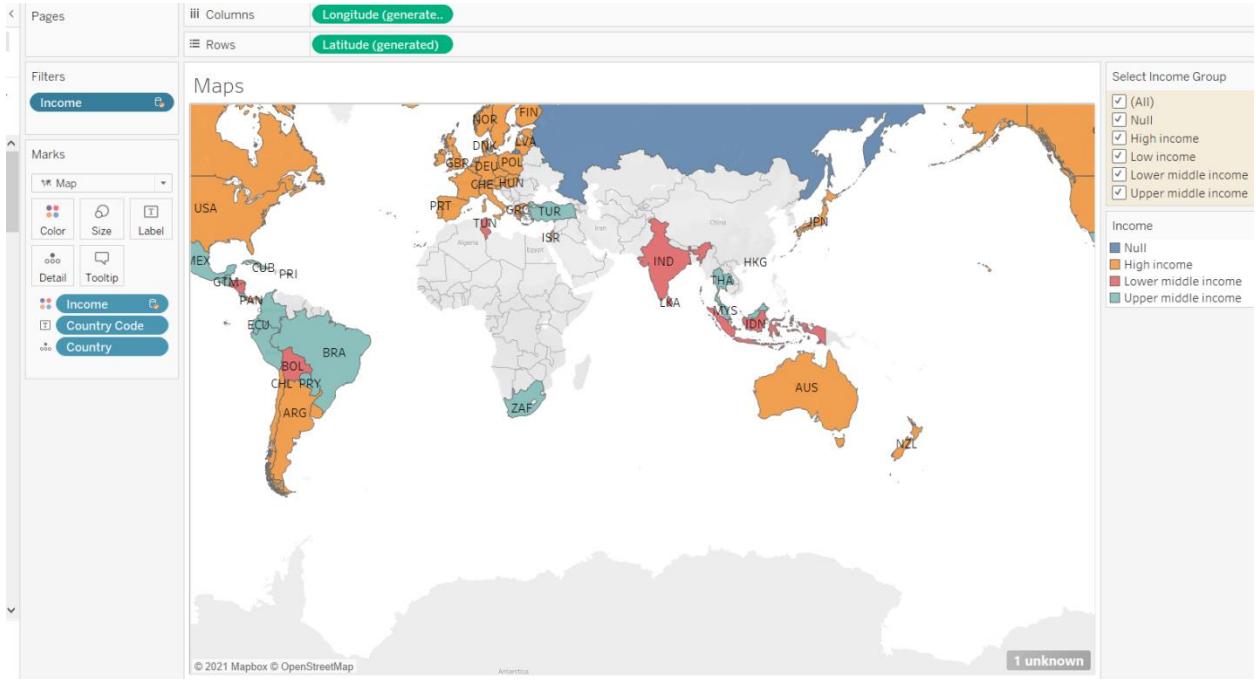
Step1: Download the give sets of datasets (we have two files) and blend the two datasets with with Relationships between Country Code, Country, and Year

Primary Dataset – Insurance Sample Dataset
Secondary Dataset – Global Financial Development Database



Iso3 in secondary dataset = country code in Primary dataset

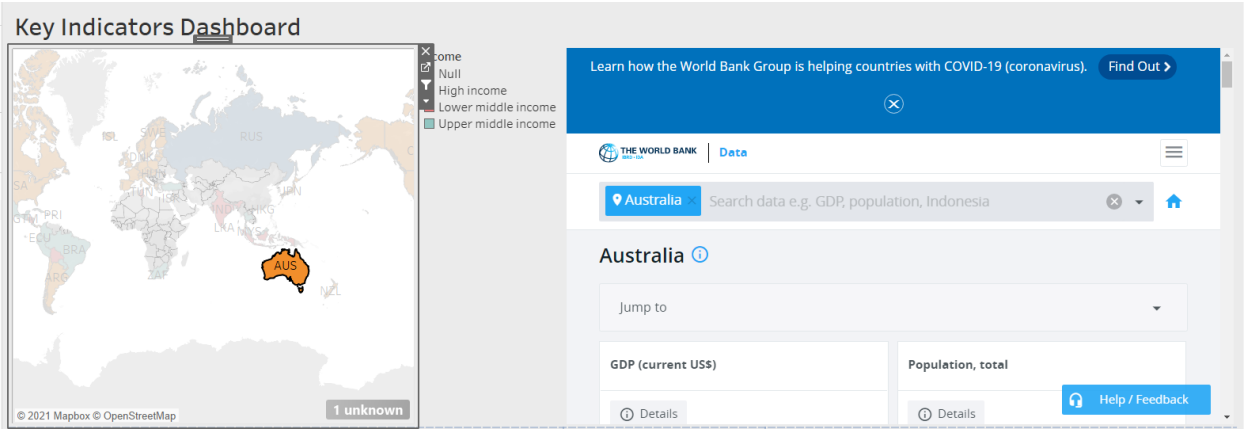
Step2: Once the primary and secondary dataset relationship is established using blending, create a map chart as shown below



Step3:

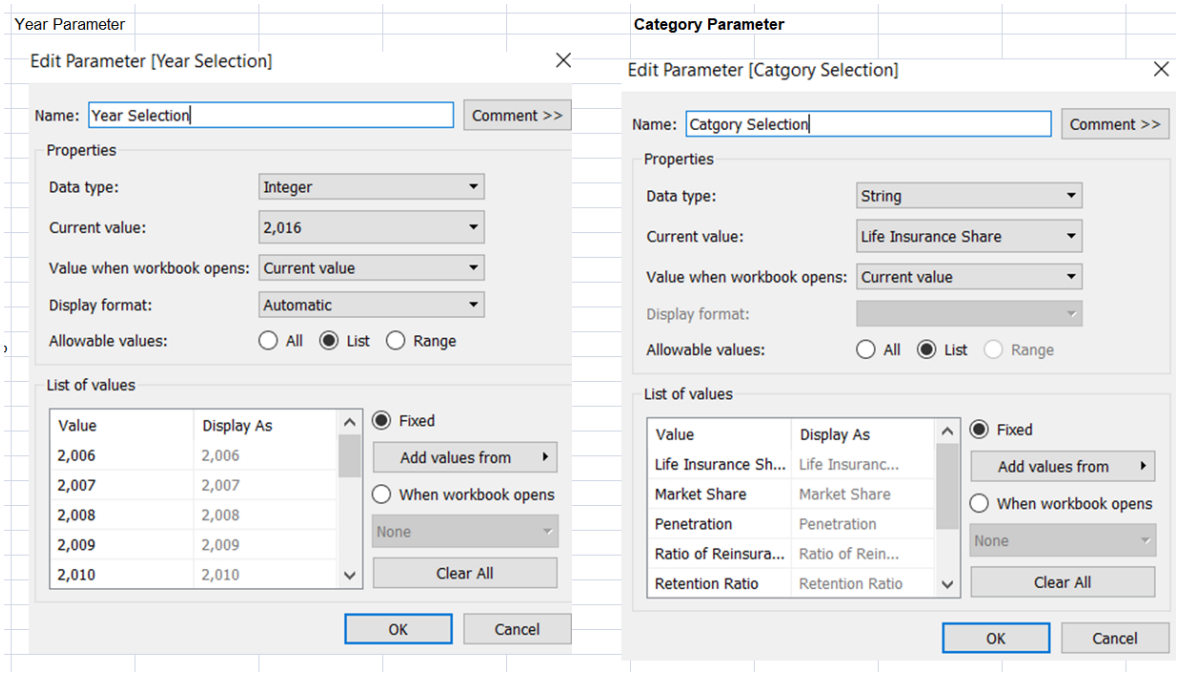
1. Create A Dashboard and bring the Map Chart to the Dashboard
2. Also using the Web page Object, we create a web page Object and update the given url link
3. Apply the Dashboard actions using hyperlink so that the webpage object is updated based on the country selection from the map

The output appears shown below



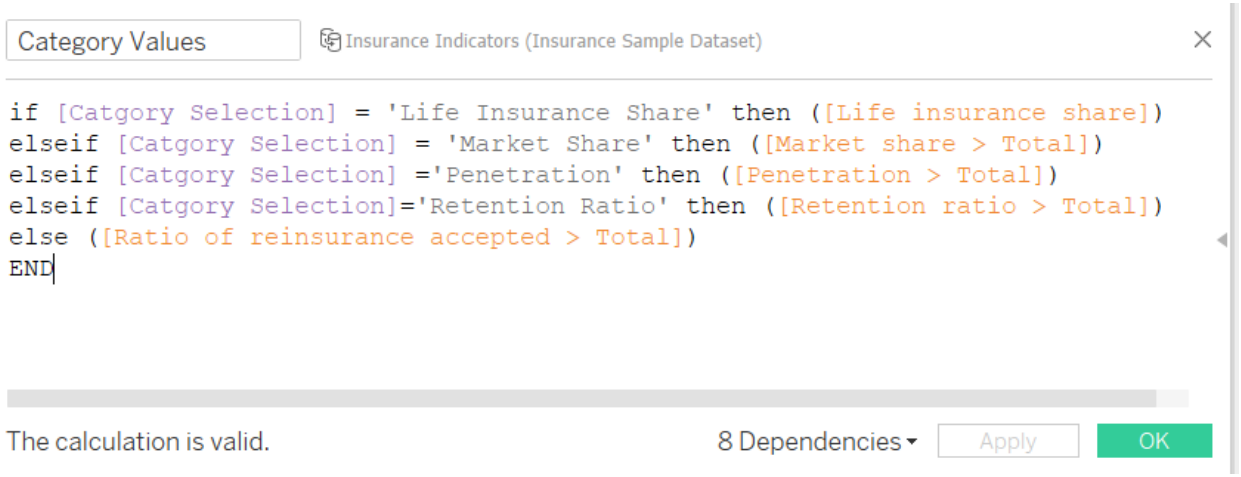
Step4:

Using parameters and calculated filed we derive the **selected period value, Comparison Period value and Growth %** for a given year and given category

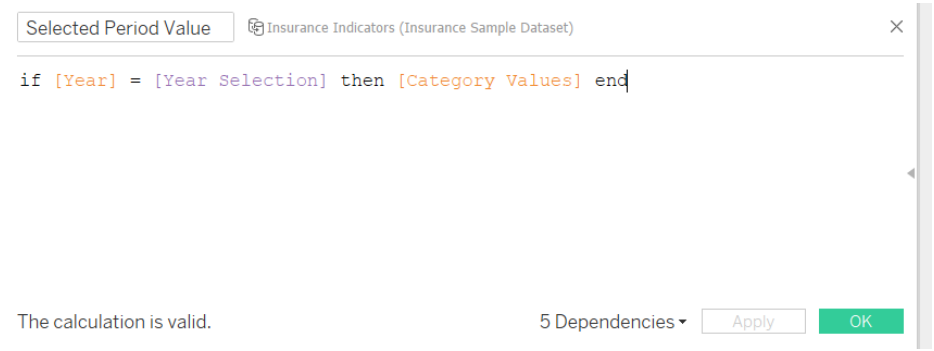


Calculated fields:

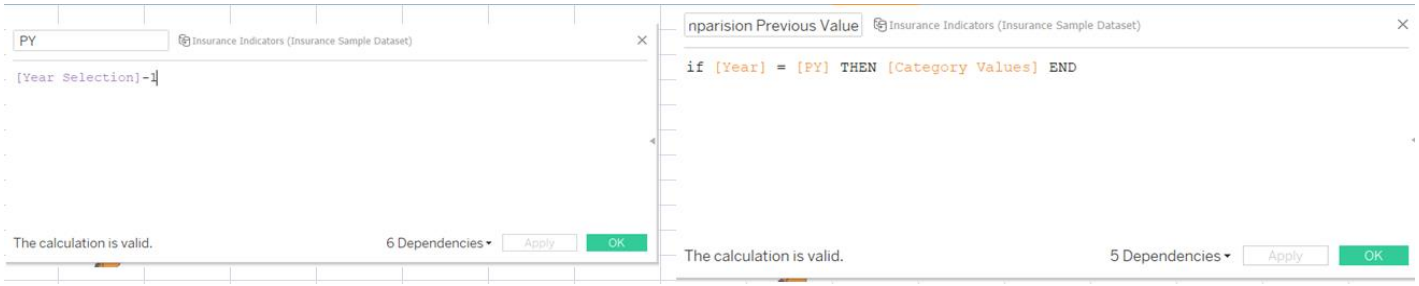
Category Value: This field is calculated who whenever the parameter Category is selected, the corresponding values of each category is being rendered



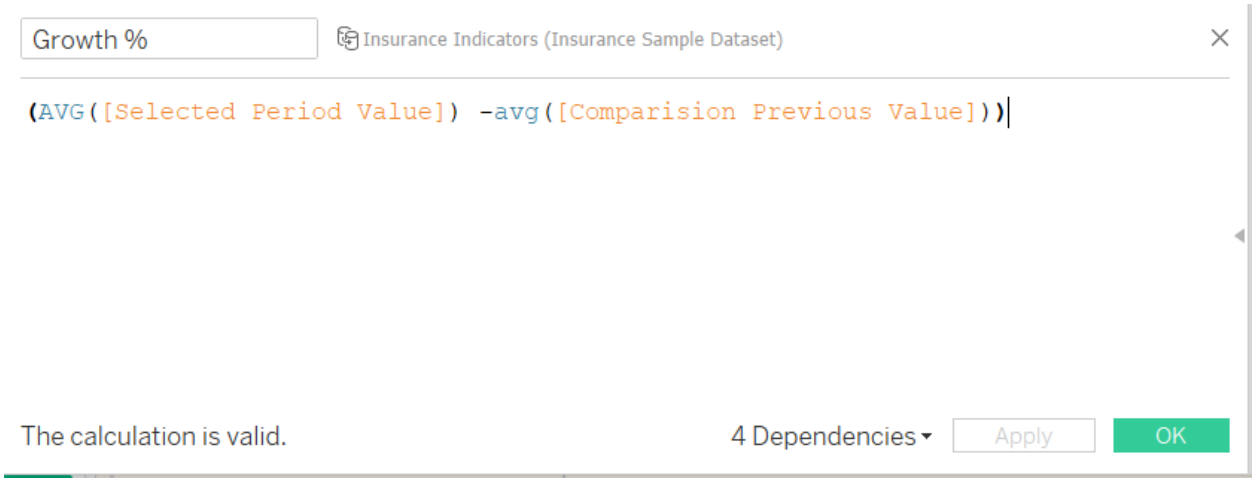
Selected Period Value: This calculated field will render the Category values for the selected year, using the Year field from the dataset and the Selected Year parameter



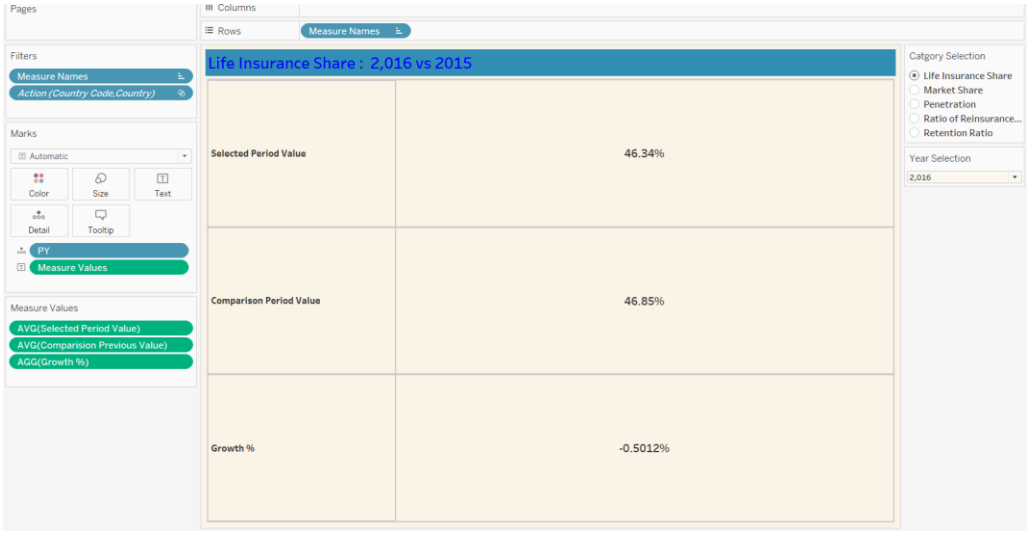
Comparison Previous Value: This is calculated filed to render the previous year values (i.e. selected Year minus 1) and to do that we need to create one Previous Year (PY) placeholder calculated filed



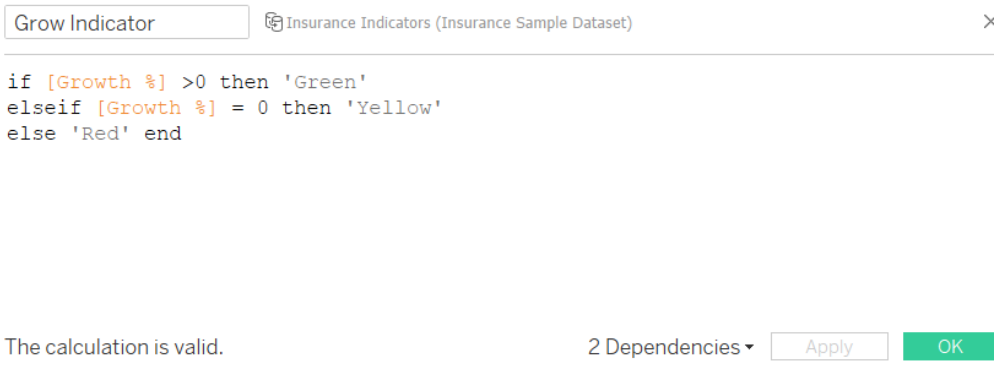
Growth % : This calculated filed is created to show the growth from Previous year to current Year. Since the values are already in %, therefore we applied the below formula



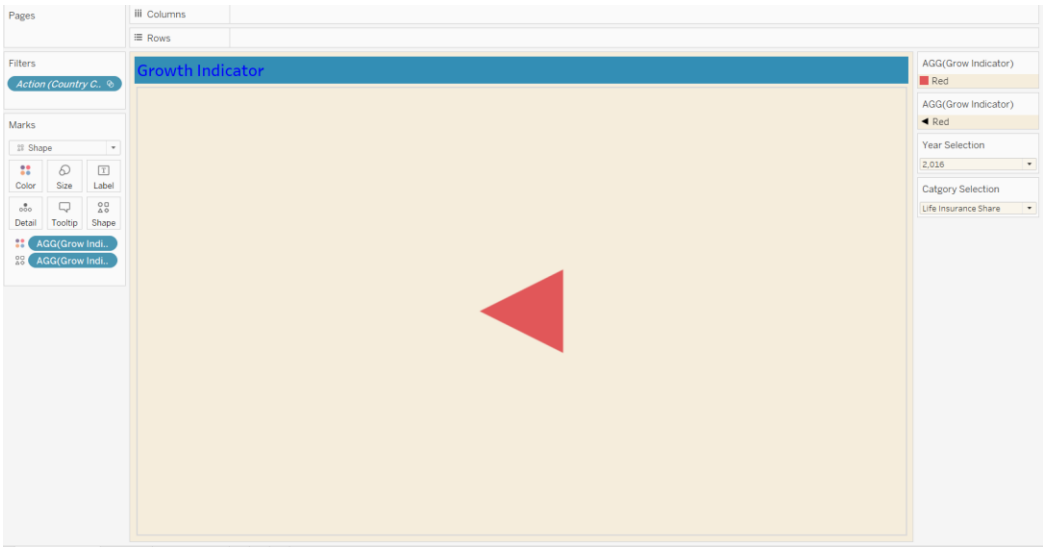
So, using the above calculated fields we create the below chart



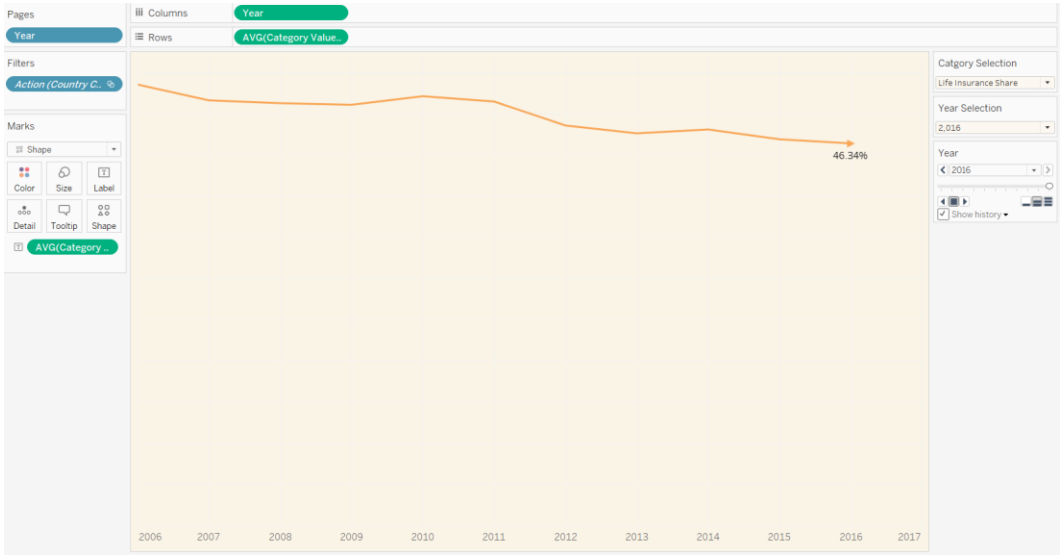
Step5: Creating the Growth Indicator using another calculated field



And the chart as below



Step6: Also, created the trend line using the Year to the pages



Step7: Using all these charts, updated the Dashboard pages and applied the formatting accordingly as shown below

Final Dashboard: [2nd Dashboard - Sujit Sonar | Tableau Public]