

# Project Name - Comparative Study of Countries

## By RIJO K GEORGE

### **Analysis Made:**

#### **1. Dataset used: –**

##### **I. Insurance Sample Dataset (2)**

The screenshot shows the Tableau Public interface with the 'Insurance Indicators' dataset loaded. The interface includes a left sidebar with 'Connections' (Insurance Sample Dataset (2)), 'Sheets' (Insurance Indicators), and a search bar. The main area displays a table titled 'Insurance Indicators' with 27 fields and 505 rows. The table details insurance indicators for countries like Argentina and Australia across years 2012 to 2016. A 'Table Details' pane on the left shows the schema. The bottom status bar indicates the date as 19-10-2023 and the time as 01:42 PM.

Country Code	Country	Year	Life insurance share	Market share > Life	Market share > Non-Life	Market share > Total	Market share of "branch..."
ARG	Argentina	2012	0.206750	null	null	null	0.014
ARG	Argentina	2013	0.178410	null	null	null	0.018
ARG	Argentina	2014	0.165180	null	null	null	0.038
ARG	Argentina	2015	0.153080	null	null	null	0.032
ARG	Argentina	2016	0.159930	null	null	null	0.033
AUS	Australia	2006	0.576510	0.0150000	0.0108200	0.0128900	0.00000

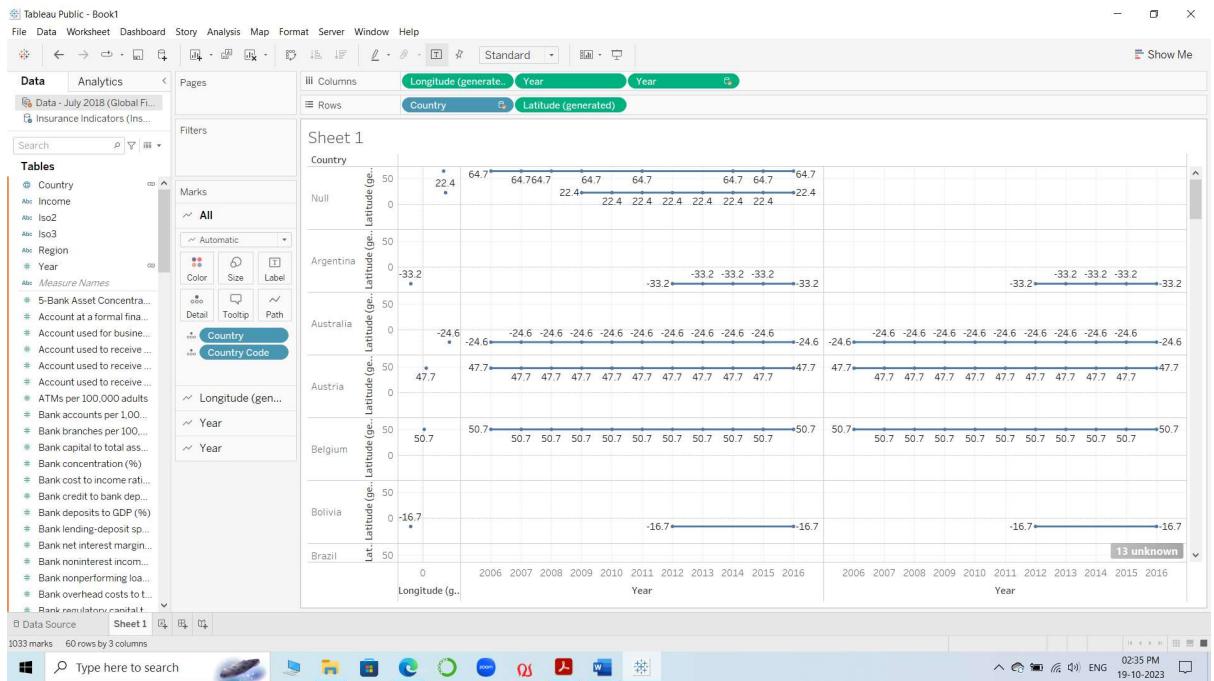
##### **II. Global Financial Development Database - Jul2018 (5)**

The screenshot shows the Tableau Public interface with the 'Data - July 2018' dataset loaded. The interface includes a left sidebar with 'Connections' (Global Financial...e - Jul2018 (5)), 'Sheets' (Data - July 2018), and a search bar. The main area displays a table titled 'Data - July 2018' with 122 fields and 12412 rows. The table details financial data for countries like Afghanistan across various income levels and regions. A 'Table Details' pane on the left shows the schema. The bottom status bar indicates the date as 19-10-2023 and the time as 01:57 PM.

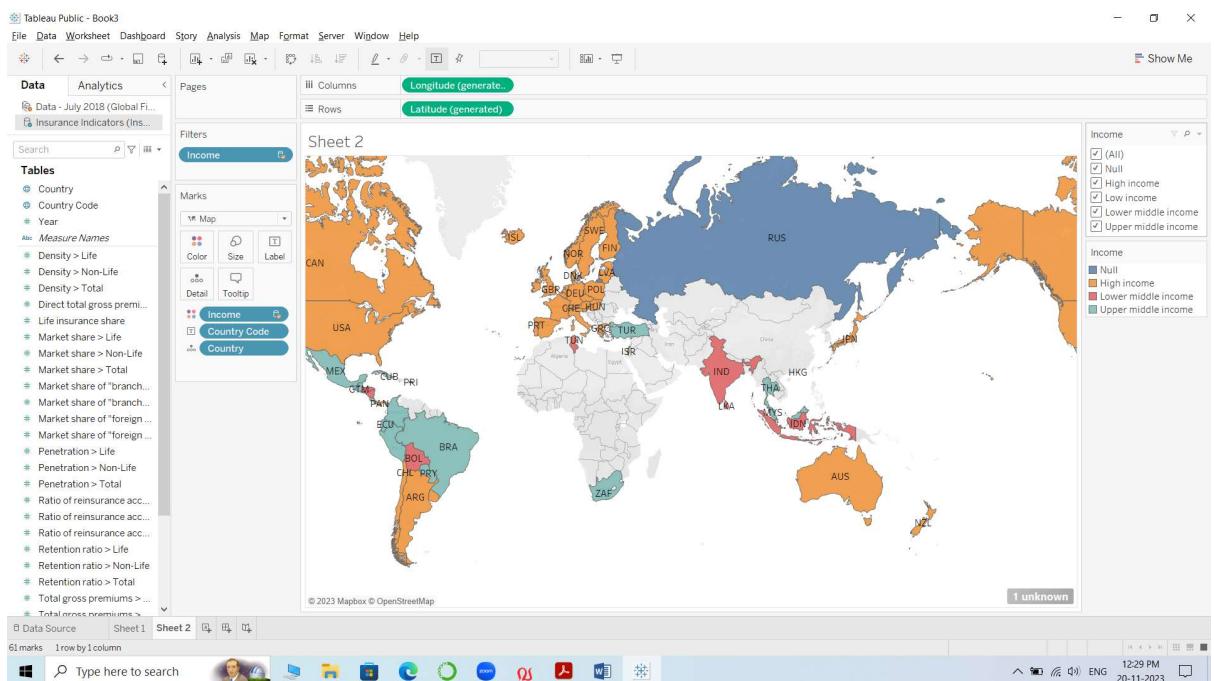
Iso3	Iso2	Imfn	Country	Region	Income	Year	Bank accounts per 100...	Bank branches per 100...	Firms with a bank lo...
AFG	AF	512	Afghanistan	South Asia	Low income	1960	null	null	null
AFG	AF	512	Afghanistan	South Asia	Low income	1961	null	null	null
AFG	AF	512	Afghanistan	South Asia	Low income	1962	null	null	null
AFG	AF	512	Afghanistan	South Asia	Low income	1963	null	null	null
AFG	AF	512	Afghanistan	South Asia	Low income	1964	null	null	null
AFG	AF	512	Afghanistan	South Asia	Low income	1965	null	null	null

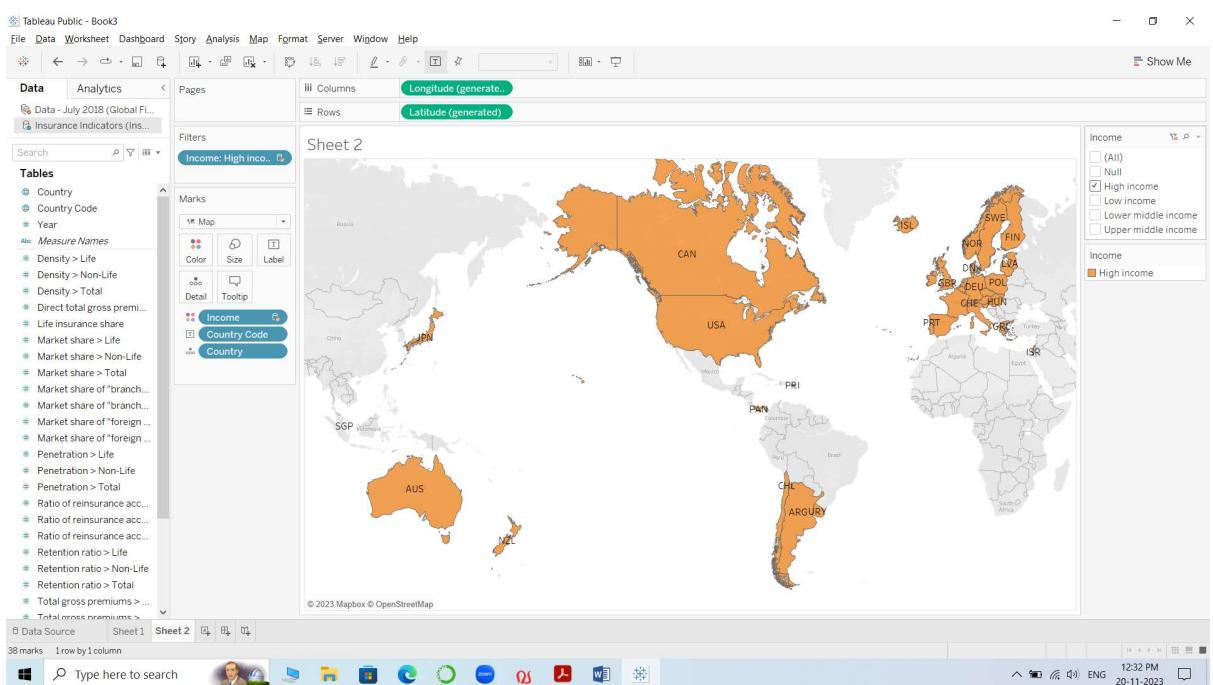
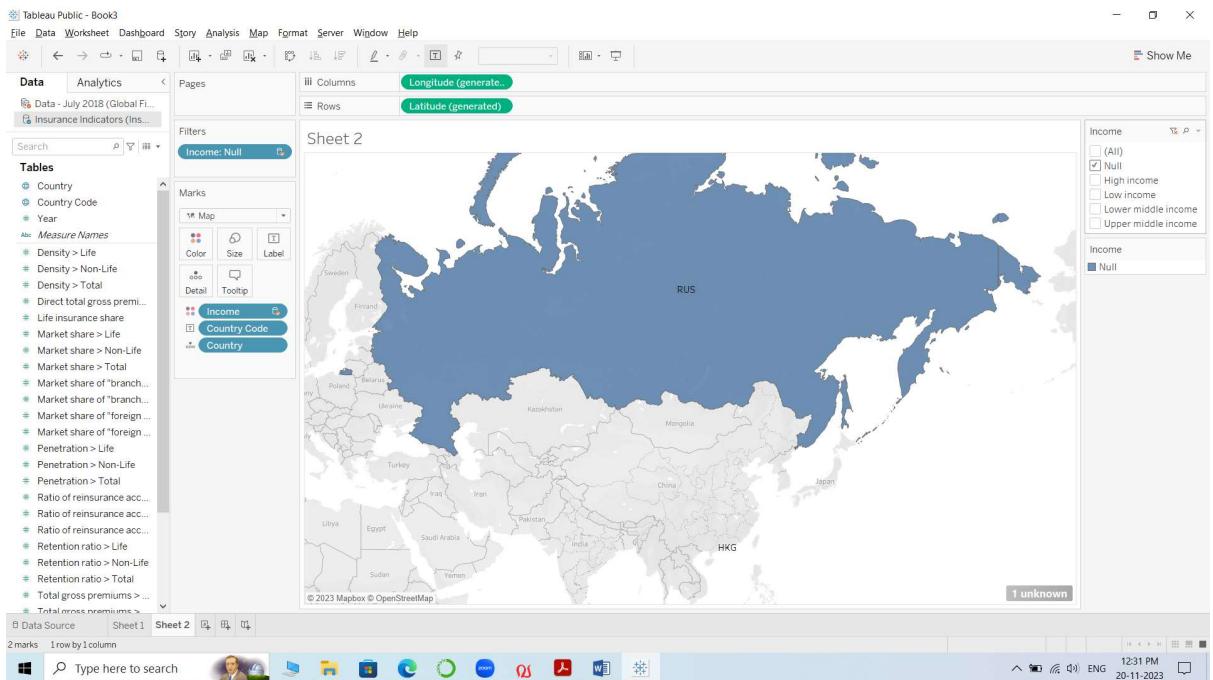
## 2. Sheet – 1 (Connect to Datasets)

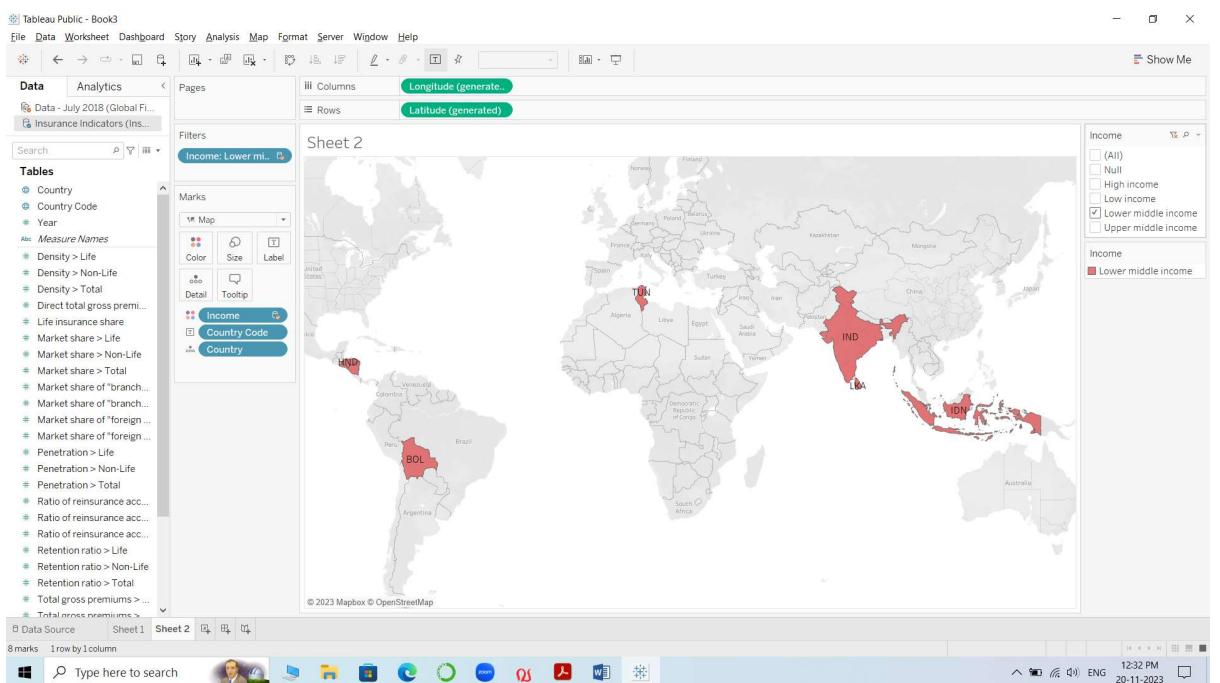
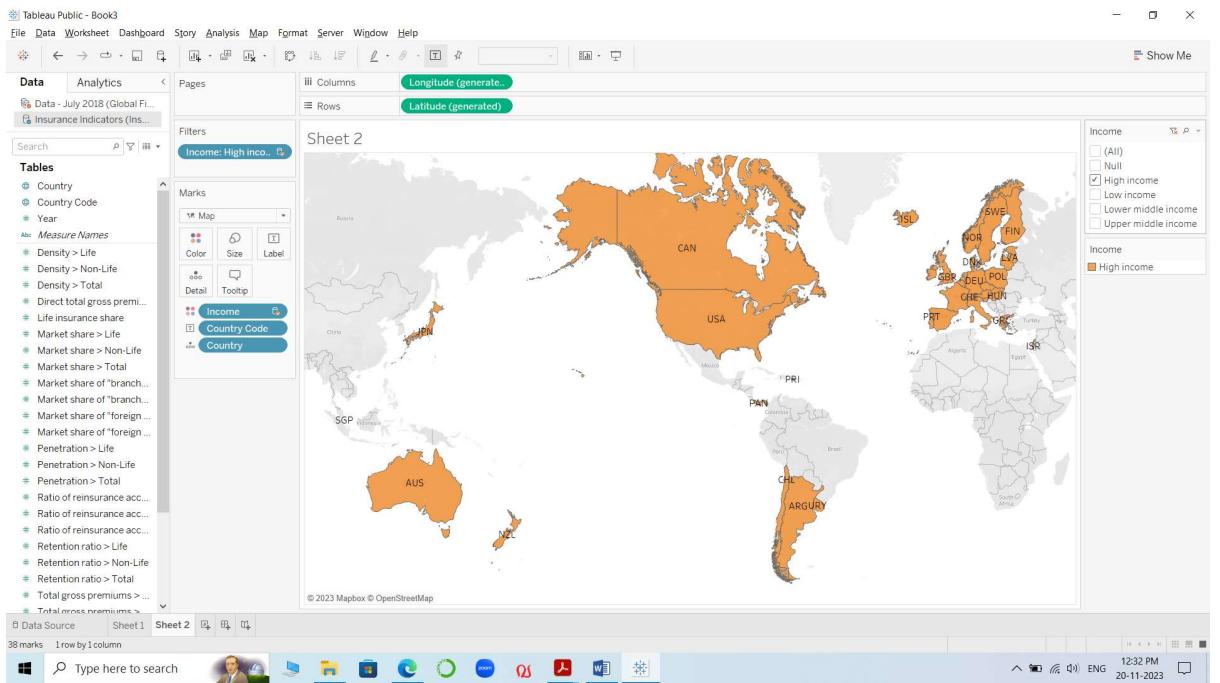
### Data Blending with Relationships between Country Code, Country, and Year

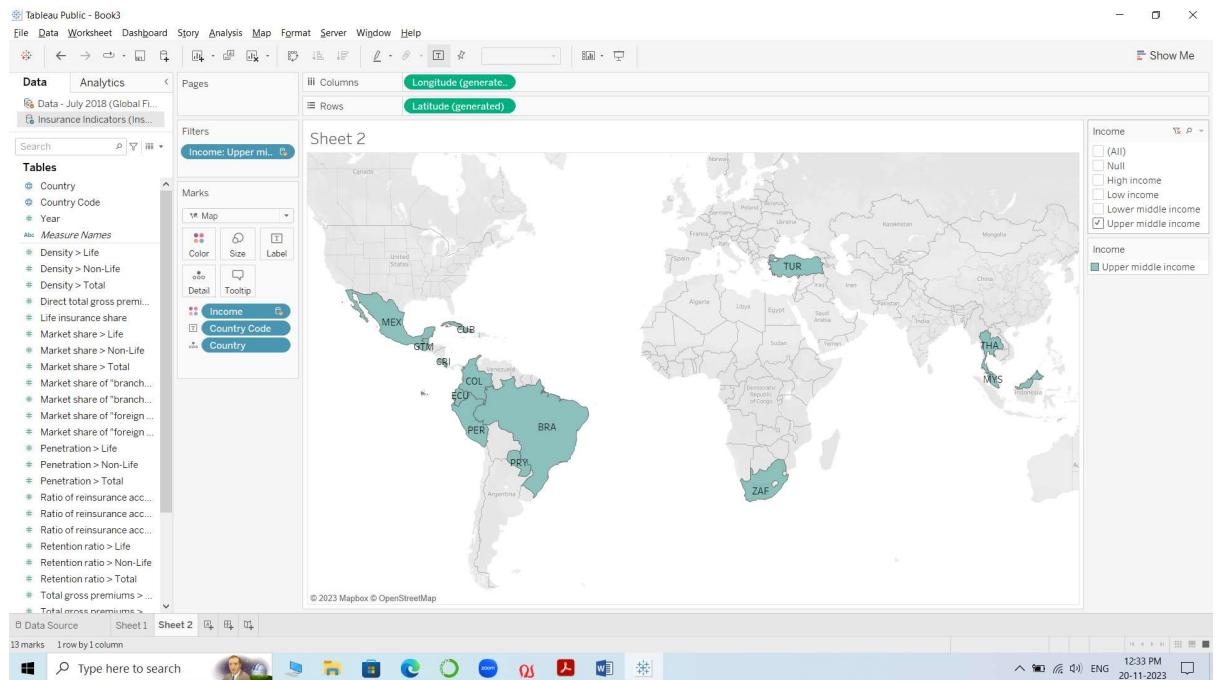


## 3. Sheet – 2 (Create a Geographic Map)









#### 4. (Include Webpage URL Action)

This page I have included in the Dashboard

#### 5. Sheet – 3 (Create KPI Table)

##### Create Parameter for Year Selection (Select Year)

## Create Parameter for Category Selection (Select Category)

The screenshot shows the Tableau interface with the 'Edit Parameter' dialog open. The parameter 'Select Category' is defined as follows:

- Name:** Select Category
- Data type:** String
- Current value:** Life Insurance Share
- Allowable values:**

Value	Display As
Life Insurance Share	Life Insurance Share
Market Share	Market Share
Penetration	Penetration
Ratio of Reinsurance ...	Ratio of Reinsurance ...
Retention Ratio	Retention Ratio

## Create Calculated Field for Select Category

The screenshot shows the Tableau interface with the 'Create Calculated Field' dialog open. The calculated field 'Select Category' is defined as follows:

```

CASE [Parameters].[Select Category]
WHEN "Life Insurance Share" THEN [Life insurance share]
WHEN "Market Share" THEN [Market share > Life]
WHEN "Penetration" THEN [Penetration > Life]
WHEN "Ratio of Reinsurance Accepted" THEN [Ratio of reinsurance accepted > Life]
WHEN "Retention Ratio" THEN [Retention ratio > Life]
END

```

The calculation is valid.

## Create Calculated Field for Category(CY)

The screenshot shows the Tableau Public interface with the following details:

- Top Bar:** File, Data, Worksheet, Dashboard, Story, Analysis, Map, Format, Server, Window, Help.
- Left Panel (Tables):** Shows various measures and dimensions, including "Category(CY)" which is selected.
- Middle Panel (Rows):** A calculated field named "Category(CY)" is being defined with the formula:

```
IF YEAR([year]) = YEAR({$Select Year})
THEN {$Select Category}
END
```
- Right Panel (Parameters):** A parameter "Select Year" is set to 2006. A list of categories is shown, with "Life Insurance Share" selected.
- Bottom Panel:** Shows the status bar with "01:25 AM 21-11-2023 ENG".

## Create Calculated Field for Category(PY)

The screenshot shows the Tableau Public interface with the following details:

- Top Bar:** File, Data, Worksheet, Dashboard, Story, Analysis, Map, Format, Server, Window, Help.
- Left Panel (Tables):** Shows various measures and dimensions, including "Category(PY)" which is selected.
- Middle Panel (Rows):** A calculated field named "Category(PY)" is being defined with the formula:

```
IF YEAR([year]) = YEAR({$Select Year}) - 1
THEN {$Select Category}
END
```
- Right Panel (Parameters):** A parameter "Select Year" is set to 2006. A list of categories is shown, with "Life Insurance Share" selected.
- Bottom Panel:** Shows the status bar with "01:29 AM 21-11-2023 ENG".

## Create Calculated Field for Growth%

The screenshot shows the Tableau Data Editor interface. In the top navigation bar, 'Data' is selected under 'Analytics'. The main workspace displays a 'Measure Names' card with a 'Rows' section containing the formula:

```
Avg([Category(CY)]) - Avg([Category(PY)])
```

The 'Measure Values' section lists three measures: 'Avg(Category(CY))', 'Avg(Category(PY))', and 'AGG(Growth%)'. A note at the bottom states 'The calculation is valid.' Below the card, there is a dependency message '1 Dependency' followed by 'Apply' and 'OK' buttons.

On the right side, there is a sidebar titled 'Select Year' with '2012' selected. Below it is a 'Select Category' section with several radio buttons: 'Life insurance share' (selected), 'Market Share', 'Penetration', 'Ratio of Reinsurance...', and 'Retention Ratio'.

## KPI Table

The screenshot shows the Tableau Data Editor interface with a 'KPI Table' tab selected. The main workspace displays a 'Measure Names' card with a 'Rows' section containing the following data:

	Avg. Category(CY)	Avg. Category(PY)	Growth%
	48.52%	51.42%	-2.91%

The 'Measure Values' section lists three measures: 'Avg(Category(CY))', 'Avg(Category(PY))', and 'AGG(Growth%)'. On the right side, there is a sidebar titled 'Select Year' with '2012' selected. Below it is a 'Select Category' section with several radio buttons: 'Life insurance share' (selected), 'Market Share', 'Penetration', 'Ratio of Reinsurance...', and 'Retention Ratio'.

The screenshot shows a Tableau Public dashboard titled "KPI Table". The interface includes a top navigation bar with File, Data, Worksheet, Dashboard, Story, Analysis, Map, Format, Server, Window, Help, and Show Me. The left sidebar contains a "Data" section with a "Data - July 2018 Global Fi..." item, a "Tables" section listing various metrics like Density, Growth%, and Market Share, and a "Parameters" section with "Select Category" and "Select Year". The main workspace displays a table with three rows: Avg. Category(CY) 46.34%, Avg. Category(PY) 46.85%, and Growth% -0.50%. The "Measure Names" filter is applied, and the "Measure Values" shelf lists AVG(Category(CY)), AVG(Category(PY)), and AGG(Growth%). A "Select Year" parameter is set to 2016, and a "Select Category" parameter is set to Life insurance share. The bottom status bar shows 3 rows by 1 column, SUM of Measure Values: 0.9269, and the date 09/08 AM 21-11-2023.

The screenshot shows a Tableau Public dashboard titled "KPI Table". The interface includes a top navigation bar with File, Data, Worksheet, Dashboard, Story, Analysis, Map, Format, Server, Window, Help, and a Show Me button. On the left, there's a sidebar with a "Data" tab selected, showing a list of measures: Density > Non-Life, Density > Total, Direct total gross premi..., Growth%, Life insurance share, Market share > Life, Market share > Non-Life, Market share = Total, Market share of "branch...", Market share of "branch...", Market share of "foreign...", Market share of "foreign...", Penetration > Life, Penetration > Non-Life, Penetration > Total, Ratio of reinsurance acc..., Ratio of reinsurance acc..., Ratio of reinsurance acc..., Retention ratio > Life, Retention ratio > Non-Life, Retention ratio > Total, Select Category, and Total gross premiums > ... . Below this is a "Parameters" section with "Select Category" and "Select Year" dropdowns. The main workspace displays a table with three columns: "Measure Names" (containing "KPI Table", "Avg. Category(CY)", "Avg. Category(PY)", and "Growth%"), "Rows" (containing "3 rows by 1 column"), and "Pages" (containing "1 page"). A "Filters" pane on the right shows a dropdown for "Select Year" set to "2012" and a "Select Category" dropdown with "Market Share" checked. At the bottom, there are tabs for "Data Source", "Sheet 1", "Create a Geographic Map", and "KPI Table". The status bar at the bottom right shows the date as "21-Nov-2023" and the time as "09:09 AM".

The screenshot shows a Tableau Public dashboard titled "KPI Table". The interface includes a top navigation bar with File, Data, Worksheet, Dashboard, Story, Analysis, Map, Format, Server, Window, Help, and Show Me. On the left, there's a sidebar with "Data" selected, showing a list of measures: Density > Non-Life, Density > Total, Direct total gross premi..., Growth%, Life insurance share, Market share > Life, Market share > Non-Life, Market share > Total, Market share of "branch...", Market share of "foreign...", Market share of "foreign...", Penetration > Life, Penetration > Non-Life, Penetration > Total, Ratio of reinsurance acc..., Ratio of reinsurance acc..., Ratio of reinsurance acc..., Retention ratio > Life, Retention ratio > Non-Life, Retention ratio > Total, Select Category, and Total gross premiums > ... Under "Parameters", there are two dropdowns: "Select Category" and "Select Year". The main workspace displays a table with three columns: Measure Names, Values, and Details. The first row shows "Measure Names" as "KPI Table", "Values" as "Avg. Category(CY) 4.68%", and "Details" as "Avg. Category(PY) 4.79% Growth% -0.10%". The second row shows "Measure Names" as "Measure Values", "Values" as "AVG(Category(CY)) AVG(Category(PY)) AGG(Growth%)", and "Details" as "AVG(Category(CY)) AVG(Category(PY)) AGG(Growth%)". A legend on the right indicates the categories: Life insurance share (blue), Market Share (orange), Penetration (green), Ratio of Reinsurance (yellow), and Retention Ratio (purple). A status bar at the bottom shows "3 rows by 1 column SUM of Measure Values: 0.09369".

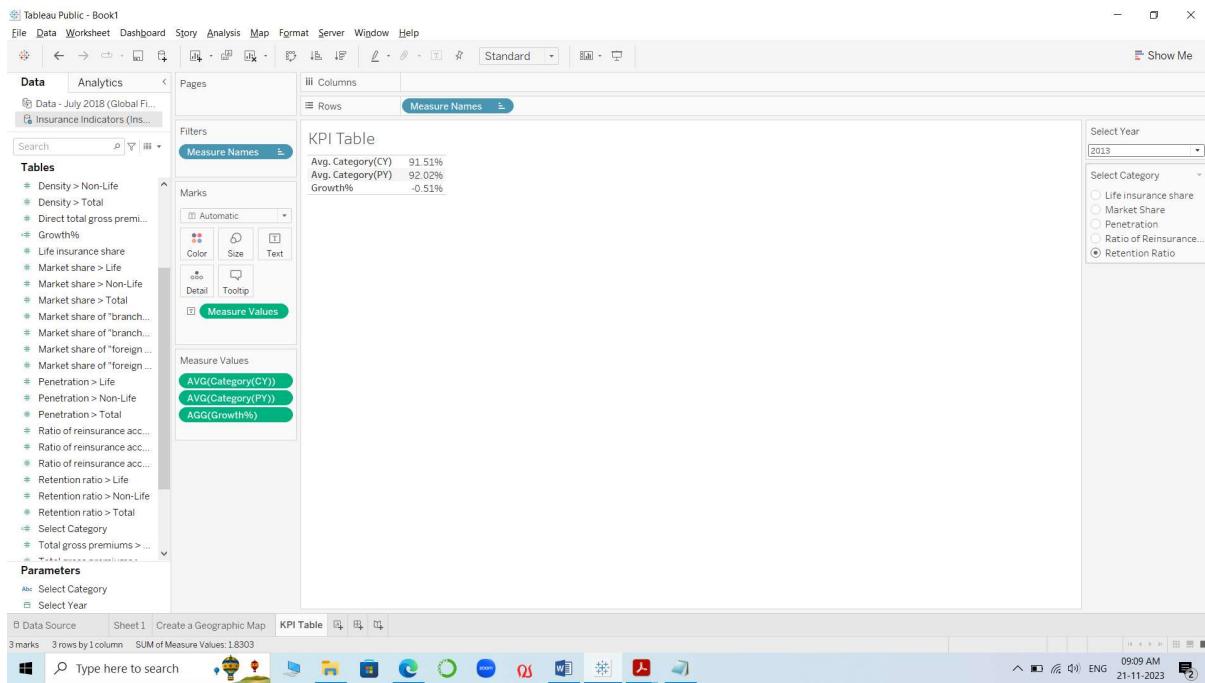
The screenshot shows a Tableau Public dashboard titled "KPI Table". The interface includes a top navigation bar with File, Data, Worksheet, Dashboard, Story, Analysis, Map, Format, Server, Window, Help, and a Show Me button. On the left, there's a sidebar with a "Data" tab selected, showing a list of measures: Density > Non-Life, Density > Total, Direct total gross premi..., Growth%, Life insurance share, Market share > Life, Market share > Non-Life, Market share = Total, Market share of "branch...", Market share of "branch...", Market share of "foreign...", Market share of "foreign...", Penetration > Life, Penetration > Non-Life, Penetration > Total, Ratio of reinsurance acc..., Ratio of reinsurance acc..., Ratio of reinsurance acc..., Retention ratio > Life, Retention ratio > Non-Life, Retention ratio > Total, Select Category, and Total gross premiums > ... . Below this is a "Parameters" section with "Select Category" and "Select Year" dropdowns.

The main workspace displays a "KPI Table" with three rows of data:

	Avg. Category(CY)	1.94%
	Avg. Category(PY)	1.99%
	Growth%	-0.05%

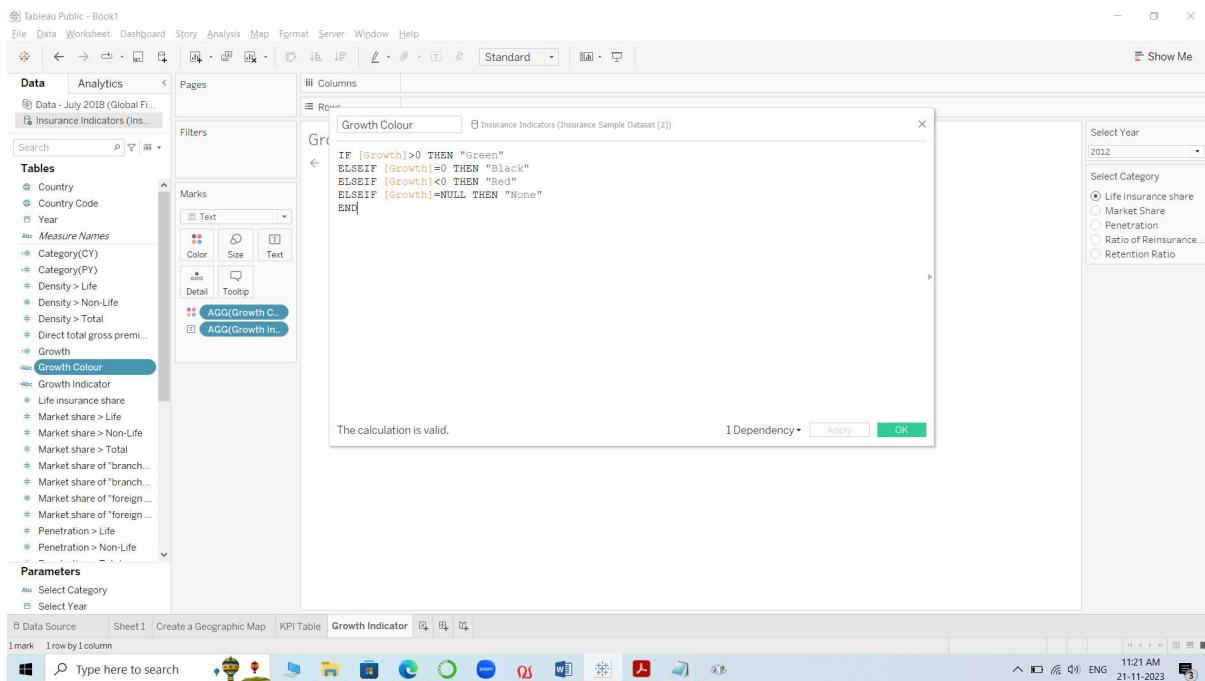
On the right side, there are two filter panes: "Select Year" (set to 2015) and "Select Category" (with options for Life insurance share, Market Share, Penetration, Ratio of Reinsurance, and Retention Ratio, where "Ratio of Reinsurance" is selected).

At the bottom, the status bar shows "Data Source", "Sheet 1", "Create a Geographic Map", "KPI Table", and "SUM of Measure Values: 0.03870". The bottom navigation bar includes icons for Windows, search, and various file operations.



## 6. Sheet – 4 (Growth Indicator)

### Create Calculated Field for Growth Colour



## Create Calculated Field for Growth Indicator

The screenshot shows the Tableau Public interface with the 'Analytics' tab selected. In the center, a 'Growth Indicator' calculated field is being defined:

```

Growth Indicator
IF [growth]>0 THEN "Up"
ELSEIF [growth]=0 THEN "Same"
ELSEIF [growth]<0 THEN "Down"
ELSEIF [growth]=NULL THEN "None"
END
  
```

The calculated field is valid, and a message indicates there is 1 dependency. A 'OK' button is visible.

On the right side, a sidebar displays a 'Select Category' section with the following options:

- Life insurance share
- Market Share
- Penetration
- Ratio of Reinsurance...
- Retention Ratio

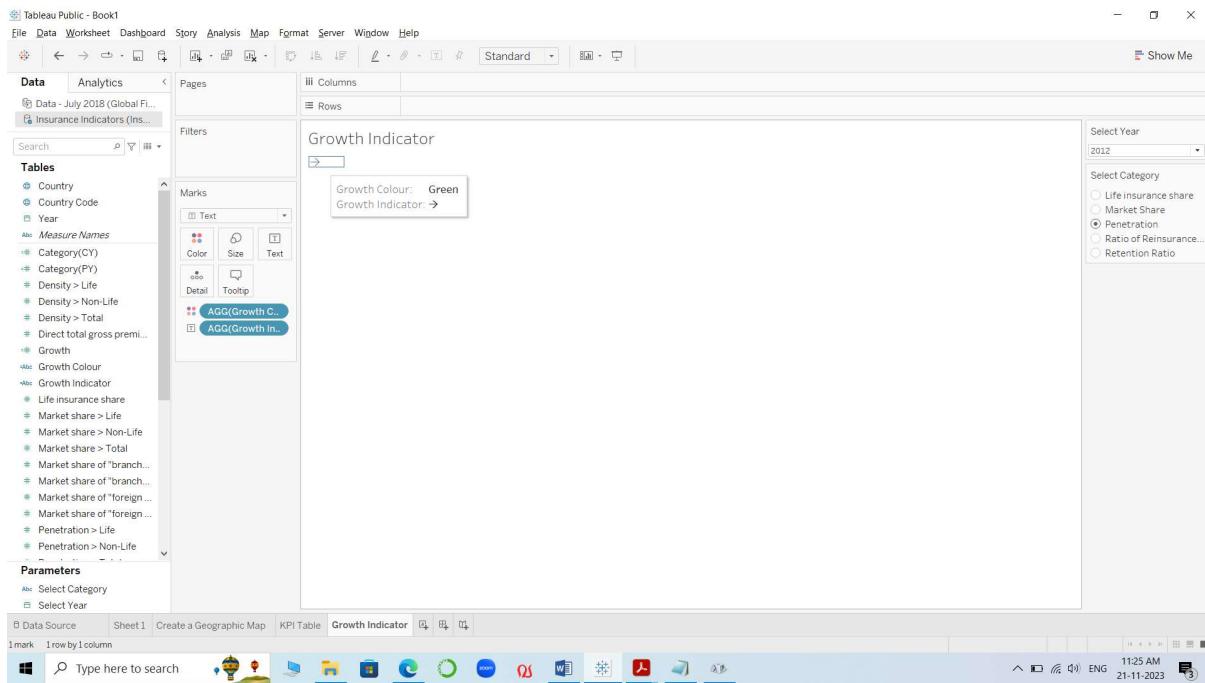
Below the sidebar, a 'Select Year' dropdown is set to 2012.

## Growth Indicator

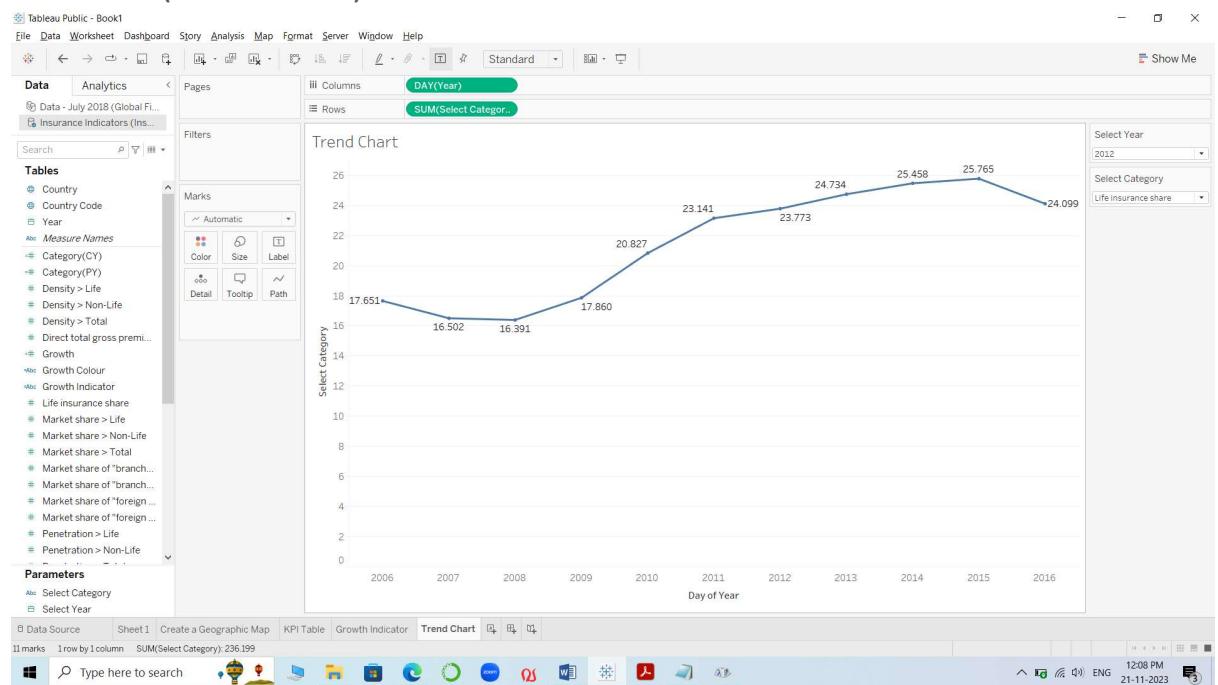
The screenshot shows the same Tableau Public interface, but now the 'Growth Indicator' field has been applied. The 'Marks' card shows 'Growth Colour: Red' and 'Growth Indicator: <-'.

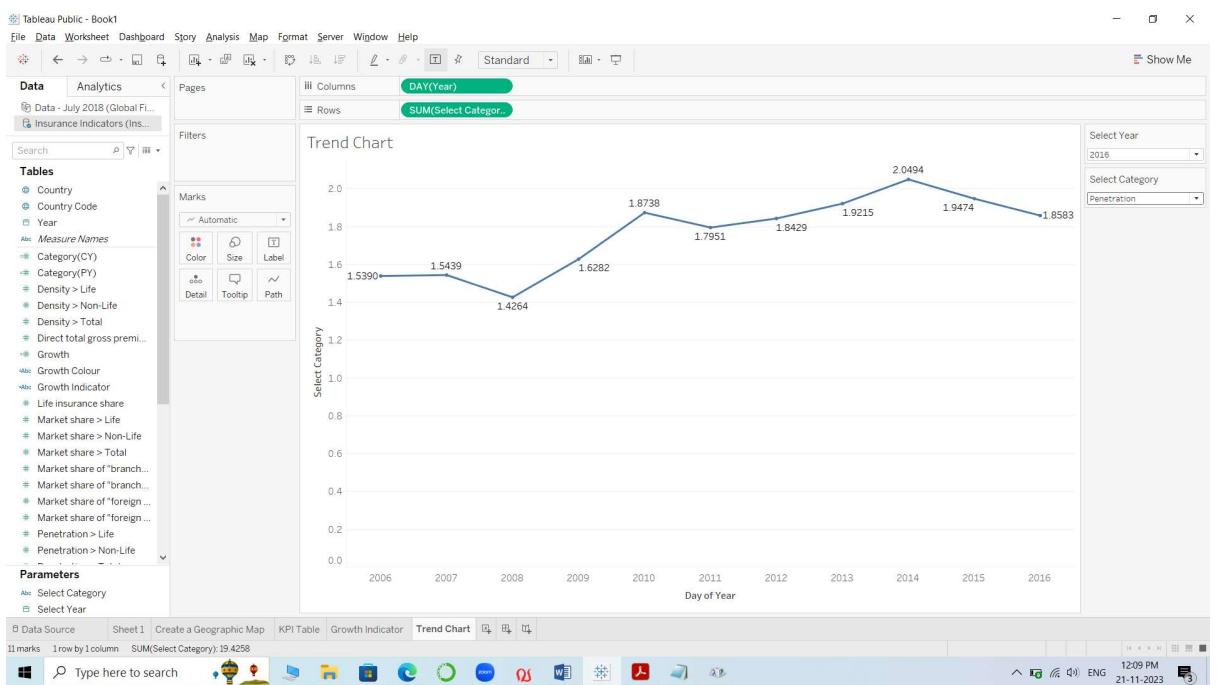
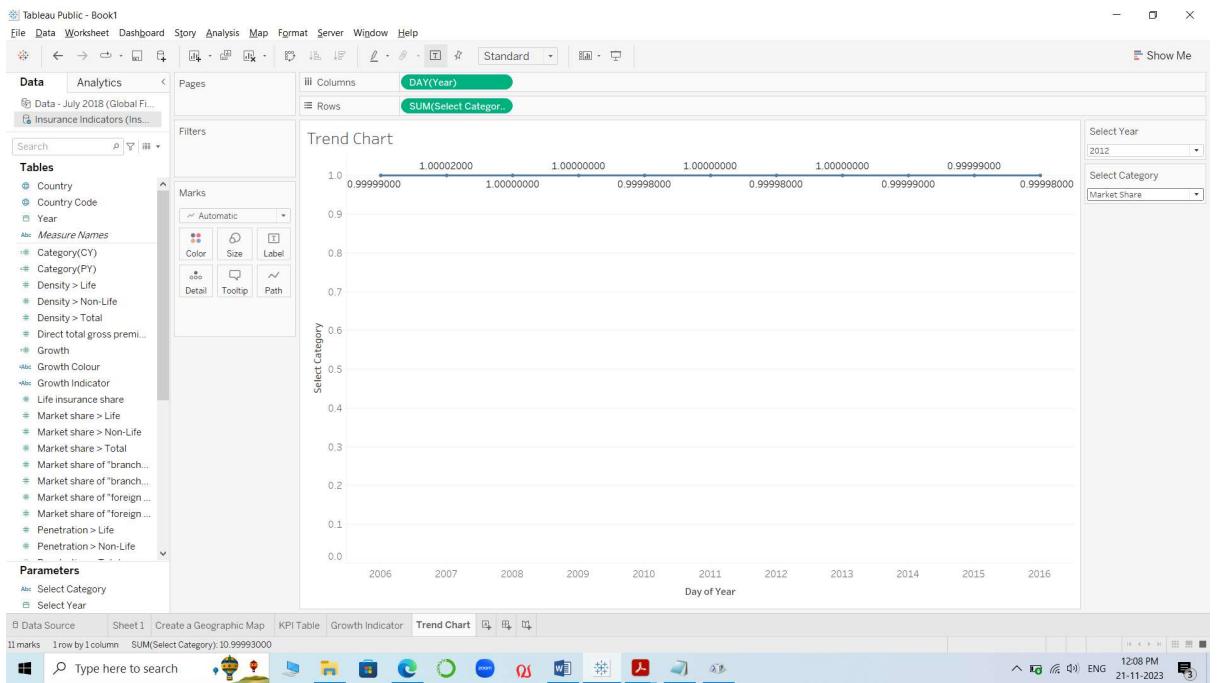
The sidebar on the right remains the same, displaying the 'Select Category' section with the 'Life insurance share' option selected.

The bottom status bar shows the date and time as 21-11-2023 11:22 AM.



## 7. Sheet – 4 (Trend Chart)





## 8. Sheet – 4 (DashBoard)

Tableau Public - Book1

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Dashboard Layout Create a Geographic Map KPI Table

Default Phone Device Preview

Size min 420x560 - max 650x860

Sheets

- Sheet 1
- Create a ...
- KPI Table
- Growth Indicator
- Trend Chart

Objects

- Ask Data
- Data Story
- Image
- Blank
- Workflow
- Web Page
- Navigation

Tiled Floating Show dashboard title

Geographic Map

KPI Table

Trend Chart

Sheet 1

Country Growth Indicators

WIKIPEDIA The Free Encyclopedia

Country

Income

- (All)
- Null
- High income
- Low income
- Lower middle income
- Upper middle income

Select Year 2016

Select Category

- Life insurance penetration
- Market Share
- Penetration
- Ratio of Reins...
- Retention Ratio

Mapbox © OSM 1 unknown

Day of Year

Category 1 2010 2015

1.8739 1.4264 1.7951

Day of Year

12:29 PM 21-11-2023

This screenshot shows a Tableau Public dashboard titled 'Book1'. The dashboard includes several components: a 'Geographic Map' showing a world map with country names and a legend for income levels; a 'KPI Table' with three rows: Avg. Category(CY) at 3.64%, Avg. Category(PY) at 3.61%, and Growth at 0.04%; a 'Trend Chart' showing a line graph with data points at 1.8739 (2010), 1.4264 (2015), and 1.7951 (2015); and a 'Sheet 1' section containing a 'Country' visualization and a 'WIKIPEDIA The Free Encyclopedia' web page. The dashboard has a sidebar with 'Objects' and a 'Sheets' list. The status bar at the bottom right shows the time as 12:29 PM and the date as 21-11-2023.