

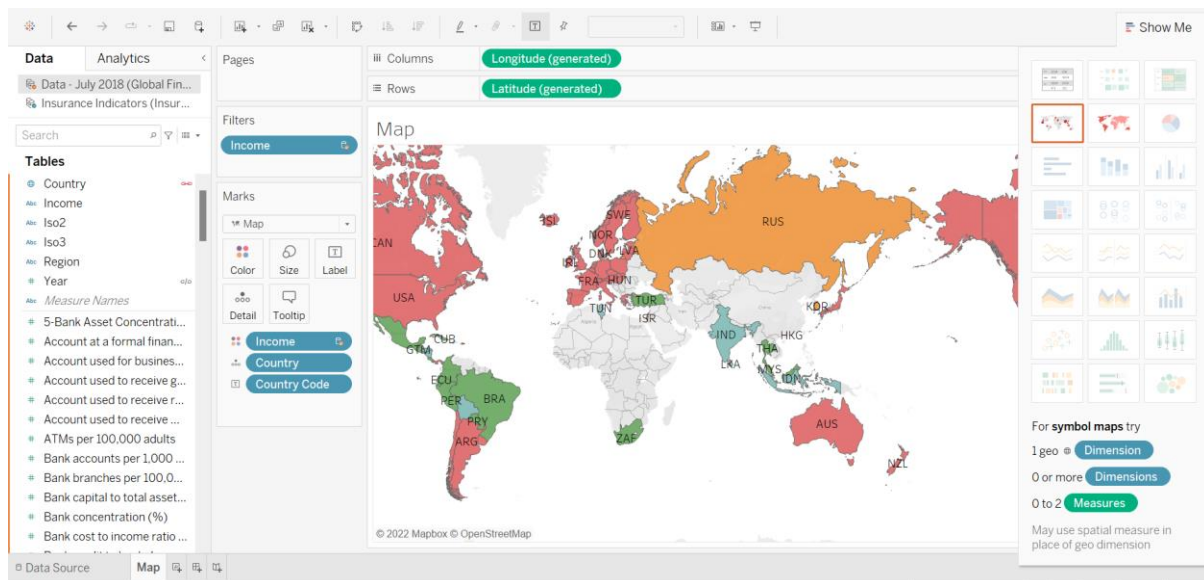
## Comparative Study of Countries

### Question:

You are a data analyst working for an insurance company. The company is expanding and wants to open new branches in various parts of the world. Your task is to compare various parameters such as income, life insurance share, market share, penetration, ratio of reinsurance accepted, and retention ratio of different countries using the sample insurance dataset and world development indicators dataset.

### Steps:

- Drag Longitude – latitude to Columns and Rows – from insurance Indicator sheet
- Drag Income and drop in color from Data-july 2018 sheet
- Drag Country and country code in Label and detail from insurance Indicator sheet
- Drag Income and drop in Filters from Data-july 2018 sheet

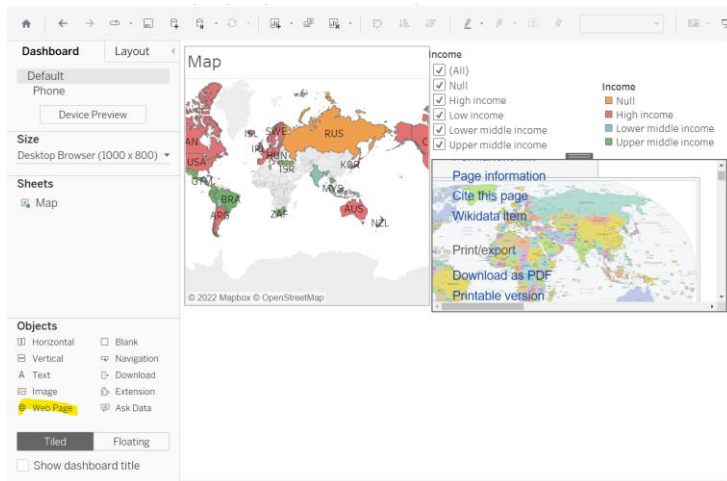


1. Include a webpage to show data from the world bank webpage driven by an URL action from a geography graph
  1. The country names in the map will act as the trigger

<https://en.wikipedia.org/wiki/Country>

Steps:

Create a Dashboard click on webpage – enter the web link



3. Create a KPI Table to show the comparison between the selected period and the period prior to the selected one

1. Create two parameters for Year Selection and Category Selection
2. Category parameter includes life insurance share, market share, penetration, ratio of reinsurance accepted, and retention ratio
3. Create a calculated field to calculate the Growth %
4. Create a table to show these values
5. Title should be updated based on the category selection

- Create two Parameters **Select year** and **Select Category**

Create Parameters **Select Category**, add below highlighted values. Name: change to **Select Category**.

Data

Analytics

Data - July 2018 (Global Fi...

Insurance Indicators (Insu...

Search

Tables

Country

Country Code

Year

Measure Names

Density > Life

Density > Non-Life

Density > Total

Direct total gross premiu...

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

Pages

Columns

Rows

Create Parameter

Name: Select Category

Comment >>

Properties

Data type: String

Current value: life insurance share

Value when workbook opens: Current value

Display format:

Allowable values: ☐ All ☒ List ☐ Range

List of values

Value	Display As
life insurance sh...	life insurance...
market share	market share
penetration	penetration
ratio of reinsura...	ratio of reins...
retention ratio	retention ratio

☒ Fixed

Add values from

☐ When workbook opens

None

Clear All

OK

Cancel

- Create Parameters **Select Year**

**Edit Parameter [Select year]**

Name: **Select year** Comment >>

**Properties**

Data type: **Date**

Current value: **2016**

Value when workbook opens: **Current value**

Display format: **2016**

Allowable values: ☐ All ☒ List ☐ Range

**List of values**

Value	Display As
01-01-2006	2006
01-01-2007	2007
01-01-2008	2008
01-01-2009	2009
01-01-2010	2010
01-01-2011	2011
01-01-2012	2012
01-01-2013	2013
01-01-2014	2014
01-01-2015	2015

☒ Fixed Add values from

☐ When workbook opens None

Clear All

OK Cancel

## Create calculate field-

**Market Share**

**Select Period Value** 3.23%

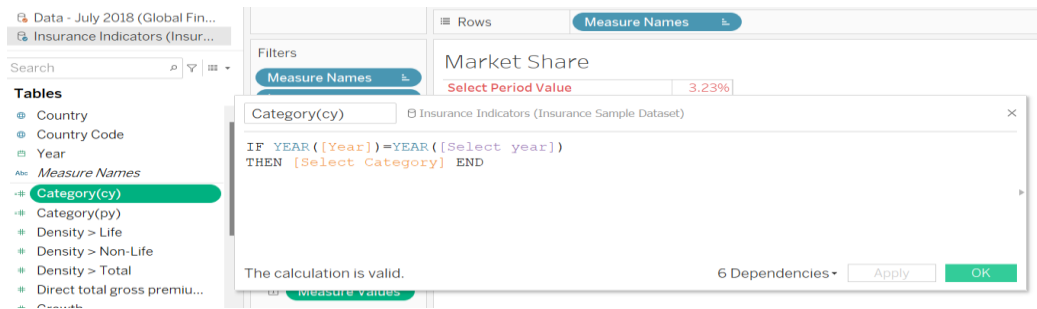
**Select Category** Insurance Indicators (Insurance Sample Dataset)

```

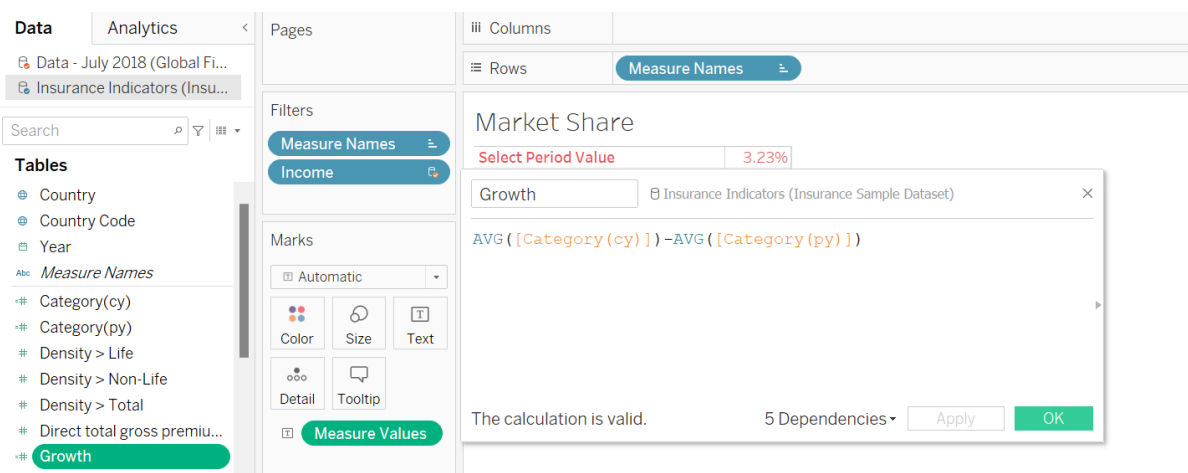
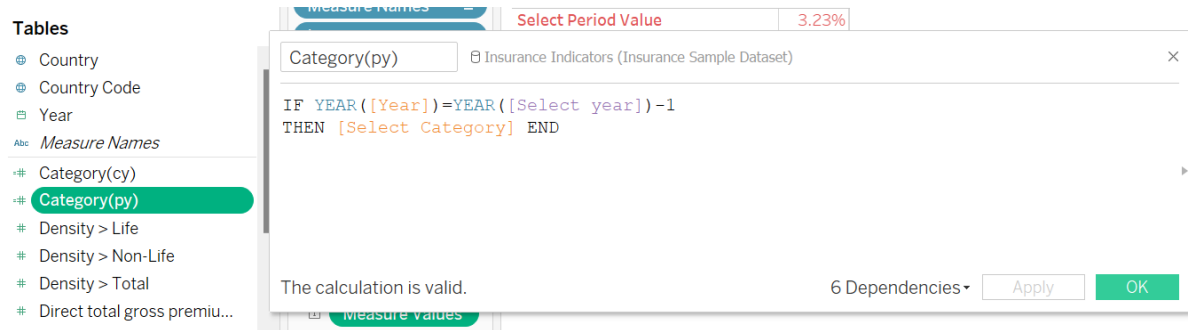
CASE [Parameters].[Select Category]
WHEN "life insurance share" THEN[Life insurance share]
WHEN "market share" THEN[Market share > Life]
WHEN "penetration" THEN[Penetration > Life]
WHEN "ratio of reinsurance accepted" THEN[Ratio of reinsurance accepted > Life]
WHEN "retention ratio" THEN[Retention ratio > Life]
END
  
```

The calculation is valid. 9 Dependencies Apply OK

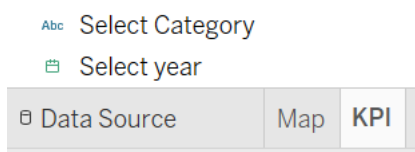
## Create calculate field-Category (cy)



## Create calculate field-Category (py)



## Create a new sheet as – KPI



Drag the pills to appropriate areas as below- rename **Category (cy)** to **Select period** and **Category (py)** to **comparison period value**

Format to percentage

Pages

Columns

Rows

Measure Names

Filters

Measure Names

Income

Marks

Automatic

Color

Size

Text

Detail

Tooltip

Measure Values

Measure Values

AVG(Category(cy))

AVG(Category(py))

AGG(Growth)

Market Share

Select Period Value	3.23%
Comparison Period Value	2.94%
Growth	0.28%

Create a growth indicator

Add a new sheet as – Growth Indicator

Map KPI Growth Indicator

mn

Country

Country Code

Year

Measure Names

Category(cy)

Category(py)

Density > Life

Density > Non-Life

Density > Total

Direct total gross premium...

Growth

Growth Color

Growth Indicator

Life insurance share

Growth Color

Insurance Indicators (Insurance Sample Dataset)

```
IF [Growth] >0 THEN "Green"
ELSEIF [Growth]=0 THEN "Black"
ELSEIF [Growth]<0 THEN "Red"
ELSEIF [Growth]= NULL THEN "None"
END
```

The calculation is valid.

2 Dependencies

Apply

OK

Growth Indicator

Insurance Indicators (Insurance Sample Dataset)

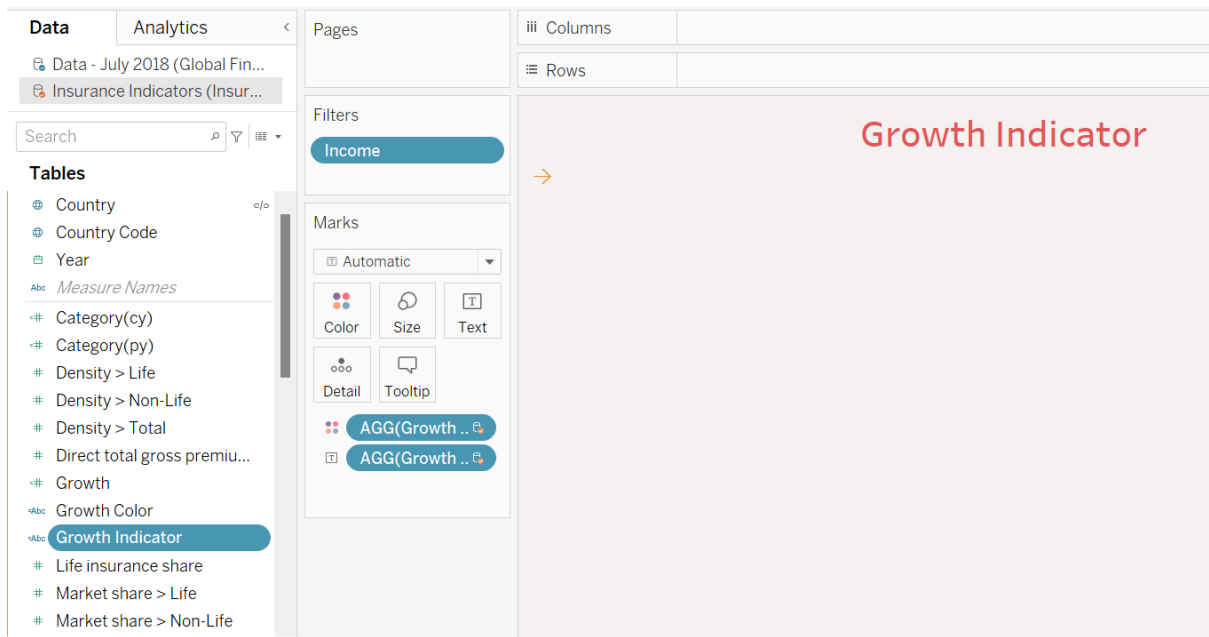
```
IF [Growth] >0 THEN "→"
ELSEIF [Growth]=0 THEN "↔"
ELSEIF [Growth]<0 THEN "←"
ELSEIF [Growth]= NULL THEN "None"
END
```

The calculation is valid.

2 Dependencies

Apply

OK



Create the Dash board with all above sheets:

