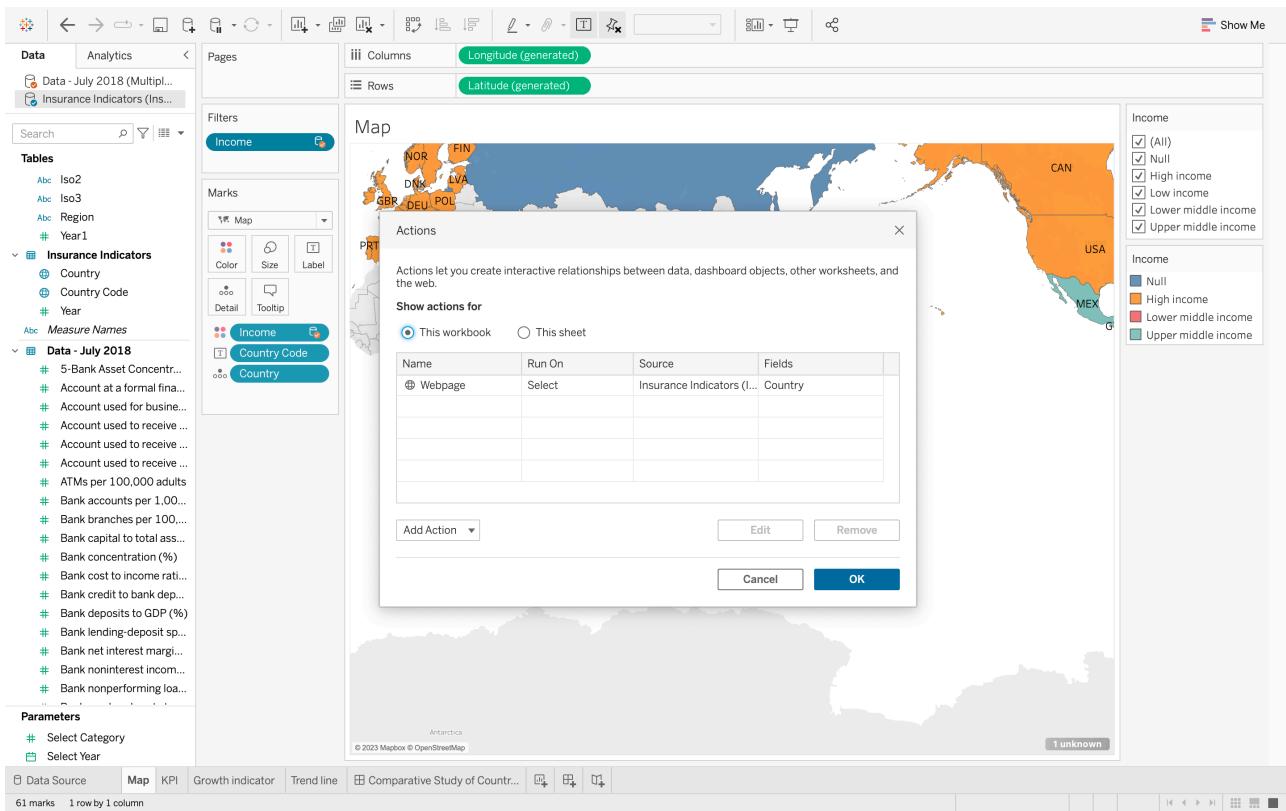


Comparative Study of Countries

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SOURCE CODES

WORKSHEET ‘MAP’



WORKSHEET ‘KPI’

This screenshot shows a Tableau worksheet titled 'KPI'. The interface includes a top navigation bar with various icons and a 'Show Me' button. The left sidebar contains sections for 'Data' (selected 'Insurance Indicators (Ins...)'), 'Tables' (listing various insurance metrics like Market share, Penetration, and Retention), and 'Parameters' (with dropdowns for 'Select Category' and 'Select Year'). The main workspace is titled 'KPI' and displays three calculated fields: 'Comparison Year CF' (24.73), 'Growth %' (0.00), and 'Selected Year CF' (25.46). A tooltip for 'Comparison Year CF' shows the formula:
**IF [Year]=YEAR([Select Year])-1
 THEN [Selected Category CF]
 END**
 The calculation is valid. 5 Dependencies Apply OK

This screenshot shows the same Tableau worksheet 'KPI' after a modification. The 'Growth %' field now uses a different formula:
AVG([Selected Year CF])-AVG([Comparison Year CF])
 The calculation is valid. 4 Dependencies Apply OK

Data **Analytics**

Pages **Columns** **Rows** **Measure Names**

Filters

Measure Names

Income

Marks

Text, Color, Size, Detail, Tooltip, Measure Values

Measure Values

SUM(Comparison Ye..., AGG(Growth %), SUM(Selected Year ...)

KPI

Comparison Year CF: 24.73
Growth %: 0.00
Selected Year CF: 25.46

Growth Indicator CF

```
IF [Growth %]>0 THEN 'Positive'
ELSEIF [Growth %]<0 THEN 'Negative'
ELSE 'No Change'
END
```

The calculation is valid. 2 Dependencies Apply OK

Income (All)
Select Year 2014
Select Category Life Insurance Share

Tables

- 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
- Total gross premiums > ...
- Total gross premiums > ...
- Total gross premiums > ...
- Comparison Year CF
- Growth %
- Selected Category CF
- Selected Year CF
- Insurance Indicators (Count)
- Latitude (generated)
- Longitude (generated)
- Measure Values

Parameters

- Select Category
- Select Year

Data Source Map KPI Growth indicator Trend line Comparative Study of Countr... **OK**

3 marks 3 rows by 1 column SUM of Measure Values: 50.20

Data **Analytics**

Pages **Columns** **Rows** **Measure Names**

Filters

Measure Names

Income

Marks

Text, Color, Size, Detail, Tooltip, Measure Values

Measure Values

SUM(Comparison Ye..., AGG(Growth %), SUM(Selected Year ...)

KPI

Comparison Year CF: 24.73
Growth %: 0.00
Selected Year CF: 25.46

Selected Category CF

```
CASE [Select Category]
WHEN 1 THEN [Life insurance share]
WHEN 2 THEN [Market share > Total]
WHEN 3 THEN [Penetration > Total]
WHEN 4 THEN [Ratio of reinsurance accepted > Total]
ELSE [Retention ratio > Total]
END
```

The calculation is valid. 8 Dependencies Apply OK

Income (All)
Select Year 2014
Select Category Life Insurance Share

Tables

- 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
- Total gross premiums > ...
- Total gross premiums > ...
- Total gross premiums > ...
- Comparison Year CF
- Growth %
- Selected Category CF
- Selected Year CF
- Insurance Indicators (Count)
- Latitude (generated)
- Longitude (generated)
- Measure Values

Parameters

- Select Category
- Select Year

Data Source Map KPI Growth indicator Trend line Comparative Study of Countr... **OK**

3 marks 3 rows by 1 column SUM of Measure Values: 50.20

The screenshot shows the Tableau Data Prep interface with the following details:

- Data Source:** Insurance Indicators (Insurance Sample Dataset)
- Table:** Data - July 2018 (Multiple)
- Columns:** Measure Names
- Rows:** Measure Names
- Filter:** Income
- Marks:** Text
- Measure Values:**

```
IF [Year]=YEAR([Selected Year])
THEN [Selected Category CF]
END
```
- Message:** The calculation is valid.
- Dependencies:** 5 Dependencies
- Buttons:** Apply, OK
- Right Panel:**
 - Income: (All)
 - Select Year: 2014
 - Select Category: Life Insurance Share

The screenshot shows the Tableau Data Prep interface with a 'KPI' sheet active. A modal dialog box titled 'Edit Parameter [Select Category]' is open, prompting the user to define a parameter named 'Select Category'. The 'Properties' section shows the data type as 'Integer' and the display format as '1'. The 'Current value' is set to 'Life Insurance Share'. In the 'Allowable values' section, the 'List' option is selected, displaying five values: 1 (Life Insurance Share), 2 (Market Share), 3 (Penetration), 4 (Ratio of Insurance Acc...), and 5 (Retention Ratio). The 'Display As' column shows the corresponding names for each value. Buttons for 'Remove Selected', 'Cancel', and 'OK' are at the bottom right of the dialog.

Standard

Data Analytics <

Pages

Columns

Rows Measure Names

Filters Measure Names

Income

Tables

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

Total gross premiums > ...

Total gross premiums > ...

Total gross premiums > ...

Comparison Year CF

Growth %

Growth Indicator CF

Selected Category CF

Selected Year CF

Insurance Indicators (Count)

Latitude (generated)

Longitude (generated)

Measure Values

Parameters

Select Category

Select Year

Income (All)

Select Year 2014

Select Category

Life Insurance Share

Standard

Data Source Map KPI Growth indicator Trend line Comparative Study of Countr...

3 marks 3 rows by 1 column SUM of Measure Values: 50.20

Screenshot of a Data Analytics interface showing a parameter configuration dialog.

Parameter Dialog:

- Name:** Select Year
- Data type:** Date (Display format: 01/01/2014)
- Current value:** 2014
- Value when workbook opens:** Current value
- Allowable values:**
 - List
 - All
 - Range

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
- Buttons:** Add values from, Remove Selected, Cancel, OK

UI Elements:

- Top Bar:** Data, Analytics, Standard, Show Me
- Left Sidebar:** Search, Tables, Parameters (Select Category, Select Year), Data Source, Map, KPI, Growth indicator, Trend line, Comparative Study of Countries
- Center:** Pages, Columns, Rows, Measure Names, Filters, Marks, KPI, Properties, Measure Values, Income (All), Select Year (2014), Select Category (Life Insurance Share)

WORKSHEET ‘GROWTH INDICATOR’

The screenshot shows the interface of a data visualization tool, likely Tableau, with the following components:

- Pages:** A section containing a 'Pages' button.
- Filters:** A section containing three items: 'Income' (highlighted in blue), 'SUM(Selected Categ...)', and 'AGG(Selected Category CF)'.
- Marks:** A section containing settings for 'Shape', 'Color', 'Size', 'Label', 'Detail', 'Tooltip', and 'Shape'. It also contains an item 'AGG(Growth In...)' highlighted in blue.
- Columns:** A section labeled 'iii Columns'.
- Rows:** A section labeled 'Rows'.
- Growth indicator:** A large text label followed by a large downward-pointing arrow icon.

WORKSHEET ‘TREND LINE’

