

Package ‘FAOSYB’

May 8, 2013

Type Package

Title The graphic library of the Statistical Year Book of the Food and
Agriculture Organization of the United Nation.

Version 1.1

Date 2013-05-08

Author Michael C. J. Kao <michael.kao@fao.org>

Maintainer Michael C. J. Kao <michael.kao@fao.org>

Description The package comprise functions for the plots used in the FAO statistical Yearbook.

License GPL (>= 2)

Depends ggplot2 (>= 0.8.9), plyr (>= 1.7.1), RColorBrewer (>= 1.0-
5), reshape2 (>= 1.2.1), maptools (>= 0.8-16), classInt (>=
0.1-18), rgdal (>= 0.7-19), sp (>= 1.0-1), gpclib(>= 1.5-1), labeling (>= 0.1), FAOSTAT (>= 1.0)

LazyData yes

ZipData no

Collate 'FAOSYB-
package.R' 'GAULspatialPolygon.R' 'map_breaks.R' 'plot_color.R' 'plot_data.R' 'plot_dictionary.R' 'plot_map.R' 'plot_syb.R' 'theme_syb.R'

R topics documented:

FAOSYB-package	2
GAULspatialPolygon	2
map_breaks	2
plot_colors	3
plot_data	3
plot_dictionary	3
plot_map	4
plot_syb	4
theme_syb	5

Index	6
--------------	----------

FAOSYB-package	<i>Package to provide a harmonized framework to deal with official statistics from different sources.</i>
----------------	---

Description

Package to facilitate the use of data from FAO and World Bank

Details

Package:	FAOSYB
Type:	Package
Version:	0.1
Date:	2013-01-03
License:	GPL (>= 2)
LazyLoad:	yes

Author(s)

Michael C. J. Kao <michael.kao@fao.org>

GAULspatialPolygon	<i>The GAUL map border</i>
--------------------	----------------------------

Description

The geographic polygon used in the statistical year book

map_breaks	<i>Function to create the discrete interval</i>
------------	---

Description

This only a wrapper function to round the numbers in the middle. The classIntervals function is highly recommended. We only wrote this because for reporting purposes.

Usage

```
map_breaks(value, n, style = "jenks")
```

plot_colors	<i>Pre-defined color for the statistical year book</i>
-------------	--

Description

Pre-defined color for the statistical year book

Usage

```
plot_colors(part = 1, n = 5)
```

Arguments

part	Which color pallete to use
------	----------------------------

plot_data	<i>Function to manipulate the data</i>
-----------	--

Description

Function to manipulate the data

Usage

```
plot_data(x, y, group, subset, type, data, scale,  
          nCnty = nCnty, env = .GlobalEnv)
```

plot_dictionary	<i>Predefined plots</i>
-----------------	-------------------------

Description

Predefined plots

Usage

```
plot_dictionary(x, y, group, type, data, x_lab, y_lab,  
               legend_lab, col_pallete)
```

plot_map	<i>A function for plotting choropleth map</i>
----------	---

Description

A function for plotting choropleth map

Usage

```
plot_map(shpFile, var, data, countryCode = "FAOST_CODE",
  n = 5, style = "jenks", manualBreaks,
  col = c("#F5F5F5", "#C8E2DE", "#9CCFC7", "#70BCB0", "#44AA99"),
  missCol = "#8B8878", missLabel = "No data available",
  subset = TRUE, scale = 1,
  shpProj = "+proj=robin +ellps=WGS84",
  outProj = "+proj=robin")
```

plot_syb	<i>A function for standardised SYB plots</i>
----------	--

Description

A function for standardised SYB plots

Usage

```
plot_syb(x, y, group = NULL, type, subset = TRUE, data,
  scale = 1, x_lab = NULL, y_lab = NULL,
  legend_lab = NULL, col_pallette, nCnty = 20)
```

Arguments

x
 y
 data
 group
 type
 x_lab
 y_lab
 legend_lab

`theme_syb`*Load the pre-defined ggplot theme*

Description

Load the pre-defined ggplot theme

Usage

```
theme_syb(part)
```

Index

*Topic **datasets**

GAULspatialPolygon, [2](#)

*Topic **package**

FAOSYB-package, [2](#)

FAOSYB-package, [2](#)

GAULspatialPolygon, [2](#)

map_breaks, [2](#)

plot_colors, [3](#)

plot_data, [3](#)

plot_dictionary, [3](#)

plot_map, [4](#)

plot_syb, [4](#)

theme_syb, [5](#)