

# Package ‘spiR’

October 14, 2022

**Type** Package

**Title** Wrapper for the Social Progress Index Data

**Version** 0.2.1

**Description** In 2015, The 17 United Nations' Sustainable Development Goals were adopted. 'spiR' is a wrapper of several open datasets published by the Social Progress Imperative (<<https://www.socialprogress.org/>>), including the Social Progress Index (a synthetic measure of human development across the world). 'spiR's goal is to provide data to help policymakers and researchers prioritize actions that accelerate social progress across the world in the context of the Sustainable Development Goals. Please cite: Warin, Th. (2019) ``spiR: An R Package for the Social Progress Index", <[doi:10.6084/m9.figshare.11421573.v2](https://doi.org/10.6084/m9.figshare.11421573.v2)>.

**Imports** gsheets, dplyr, reshape2, ggplot2, ggsci, readr, lubridate

**License** MIT + file LICENSE

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 7.1.1

**Suggests** knitr, rmarkdown

**VignetteBuilder** knitr

**URL** <https://github.com/warint/spiR/>

**BugReports** <https://github.com/warint/spiR/issues/>

**NeedsCompilation** no

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**Repository** CRAN

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spir_country	<i>spir_country</i>
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### Description

This function allows you to find and search the right country code associated with the Social Progress Index's Data. If no argument is filed, all indicators will be displayed.

### Usage

```
spir_country(country)
```

### Arguments

country            The name of the country.

### Value

Country's ISO code.

### See Also

[spir\\_indicator](#) for the SPI's indicators and [spir\\_data](#) to collect data when you have both indicator and country code.

### Examples

```
mycountry <- spir_country()
mycountry <- spir_country(country = "Canada")
mycountry <- spir_country("Canada")
```

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spiR\_country-deprecated  
*sqs\_spi\_country (deprecated)*

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### Description

This function allows you to find and search the right country code associated with the Social Progress Index's Data. If no argument is filed, all indicators will be displayed. This function will be removed in the next version and replaced by the simpler function 'spir\_country'

### Usage

```
sqs_spi_country(country)
```

### Arguments

country            The name of the country.

### Value

Country's ISO code.

### See Also

[spir\\_indicator](#) for the SPI's indicators and [spir\\_data](#) to collect data when you have both indicator and country code.

### Examples

```
mycountry <- sqs_spi_country()  
mycountry <- sqs_spi_country(country = "Canada")  
mycountry <- sqs_spi_country("Canada")
```

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spir\_data            *spir\_data*

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### Description

This function allows you to find and display the Social Progress Index data according to the selected parameters. If no arguments are filled, all data will be displayed.

### Usage

```
spir_data(country = spi_country, years = spi_year, indicators = spi_indicator)
```

**Arguments**

country            Countries' ISO code.  
 years             Years for which you want data.  
 indicators        Indicators from the Social Progress Index.

**Value**

Data for the country, indicator and year requested.

**See Also**

[spir\\_indicator](#) for the SPI's indicator symbol and [spir\\_country](#) for the country's ISO code.

**Examples**

```
myData<- spir_data(country = c("USA", "FRA"), years = "2018", )
myData<- spir_data(country = c("USA", "FRA"), year = c("2018", "2019"), indicators = "SPI")
myData<- spir_data("USA", "2019", c("SPI", "FOW"))
myData<- spir_data(, "2018", )
myData<- spir_data("USA", "2017", )
myData<- spir_data("USA", , )
myData<- spir_data(, , )
myData<- spir_data()
```

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spir\_data-deprecated    *sqs\_spi\_data (deprecated)*

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**Description**

This function allows you to find and display the Social Progress Index data according to the selected parameters. If no arguments are filled, all data will be displayed. This function will be removed in the next version and replaced by the simpler function 'spir\_data()'

**Usage**

```
sqs_spi_data(
  country = spi_country,
  years = spi_year,
  indicators = spi_indicator
)
```

**Arguments**

country            Countries' ISO code.  
 years             Years for which you want data.  
 indicators        Indicators from the Social Progress Index.

**Value**

Data for the country, indicator and year requested.

**See Also**

[spir\\_indicator](#) for the SPI's indicator symbol and [spir\\_country](#) for the country's ISO code.

**Examples**

```
myData<- sqs_spi_data(country = c("USA", "FRA"), years = "2018", )
myData<- sqs_spi_data(country = c("USA", "FRA"), year = c("2018", "2019"), indicators = "SPI")
myData<- sqs_spi_data("USA", "2019", c("SPI", "FOW"))
myData<- sqs_spi_data( "2018", )
myData<- sqs_spi_data("USA", "2017", )
myData<- sqs_spi_data("USA", , )
myData<- sqs_spi_data( , , )
myData<- sqs_spi_data()
```

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spir_indicator	<i>spir_indicator</i>
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**Description**

This function allows you to find and search the right indicator code from the Social Progress Index you want to use. If no argument is filed, all indicators will be displayed.

**Usage**

```
spir_indicator(indicators)
```

**Arguments**

indicators      An indicator from the Social Progress Index.

**Value**

Indicator code from the Social Progress Index.

**See Also**

[spir\\_country](#) for the SPI's country code and [spir\\_data](#) to collect data when you have both indicator and country code.

**Examples**

```
myIndicator <- spir_indicator()
myIndicator <- spir_indicator(indicators = "mortality")
myIndicator <- spir_indicator("mortality")
```

spir\_indicator-deprecated  
*sqs\_spi\_indicator(deprecated)*

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### Description

This function allows you to find and search the right indicator code from the Social Progress Index you want to use. If no argument is filed, all indicators will be displayed. This function will be removed in the next version and replaced by the simpler function 'spir\_indicator()'

### Usage

```
sqs_spi_indicator(indicators)
```

### Arguments

`indicators` An indicator from the Social Progress Index.

### Value

Indicator code from the Social Progress Index.

### See Also

[spir\\_country](#) for the SPI's country code and [spir\\_data](#) to collect data when you have both indicator and country code.

### Examples

```
myIndicator <- sqs_spi_indicator()  
myIndicator <- sqs_spi_indicator(indicators = "mortality")  
myIndicator <- sqs_spi_indicator("mortality")
```

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spir\_visual                    *spir\_visual*

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### Description

This function allows you to create 2 types of visuals: bar and line charts.

### Usage

```
spir_visual(  
  chart = "bar_1",  
  indicator = "SPI",  
  years = max(SPI_data$year),  
  title = TRUE  
)
```

**Arguments**

chart	Type of charts.
indicator	An indicator from the Social Progress Index.
years	A chosen year
title	Chart title, set by default to TRUE

**Value**

Chosen Graph

**Examples**

```
spir_visual(chart = "bar_1", indicator = "SPI", years = "2020")
```

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