Package 'tsibbletalk'

2 plotly_key_tree

as_shared_tsibble

Coerce to a shared tsibble from tsibble

Description

Coerce to a shared tsibble from tsibble

Usage

```
as_shared_tsibble(x, spec)
```

Arguments

x A tsibble.

spec A formula to spe

A formula to specify tsibble key structures. By default, crossing structures (i.e key1 * key2) are assumed for the key. The required specification for nesting is

parent / child.

Examples

```
library(tsibble)
as_shared_tsibble(tourism, spec = (State / Region) * Purpose)
```

plotly_key_tree

Plot nesting structures in shared tsibbles using plotly

Description

Plot nesting structures in shared tsibbles using plotly

Usage

```
plotly_key_tree(data, height = NULL, width = NULL, ...)
```

Arguments

```
data A shared tsibble.

height height

width width

... arguments supplied to subplot()
```

Examples

```
if (interactive()) {
    shared_tourism <- as_shared_tsibble(tourism_monthly,
        spec = (State / Region) * Purpose)
    plotly_key_tree(shared_tourism)
}</pre>
```

sunspots2019 3

sunspots2019

Yearly mean total sunspot number (1700 - 2019)

Description

Yearly mean total sunspot number (1700 - 2019)

Usage

sunspots2019

Format

An object of class tbl_ts (inherits from tbl_df, tbl, data.frame) with 320 rows and 2 columns.

References

WDC-SILSO, Royal Observatory of Belgium, Brussels

Examples

data(sunspots2019)

tourism_monthly

Monthly Australian domestic overnight trips

Description

A dataset containing the monthly overnight trips from 1998 Jan to 2019 Dec across Australia.

Usage

 $tourism_monthly$

Format

A tsibble with 80,696 rows and 5 variables:

- Month: Year month (index)
- State: States and territories of Australia
- **Region**: The tourism regions are formed through the aggregation of Statistical Local Areas (SLAs) which are defined by the various State and Territory tourism authorities according to their research and marketing needs
- Purpose: Stopover purpose of visit:
 - "Holiday"

4 tsibble-wrap

- "Visiting friends and relatives"
- "Business"
- "Other reason"
- Trips: Overnight trips in thousands

References

Tourism Research Australia

Examples

```
data(tourism_monthly)
```

tsibble-wrap

A shiny module to easily slice and dice tsibble index for visualising periodicity

Description

A pair of UI and server functions: tsibbleWrapUI() and tsibbleWrapServer().

Usage

```
tsibbleWrapUI(id)
tsibbleWrapServer(id, plot, period)
```

Arguments

id A unique shiny id.

plot A ggplot or plotly object.

period A string passed to lubridate::period() to specify the minimum seasonal pe-

riod, for example "1 day".

Examples

```
if (interactive()) {
    library(tsibble)
    library(dplyr)
    library(shiny)
    library(ggplot2)
    p <- tourism %>%
      filter(Region %in% c("Melbourne", "Sydney")) %>%
      ggplot(aes(x = Quarter, y = Trips, colour = Region)) +
      geom_line() +
      facet_wrap(~ Purpose, scales = "free_y") +
      theme(legend.position = "none")
```

tsibble-wrap 5

```
ui <- fluidPage(tsibbleWrapUI("dice"))
server <- function(input, output, session) {
   tsibbleWrapServer("dice", p, period = "1 year")
}
shinyApp(ui, server)
}</pre>
```

Index