Package ‘captioner’

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Type Package
Title Numbers Figures and Creates Simple Captions
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URL https://github.com/adletaw/captioner

BugReports https://github.com/adletaw/captioner/issues

Description Provides a method for automatically numbering figures, tables, or other objects. Captions can be displayed in full, or as citations. This is especially useful for adding figures and tables to R markdown documents without having to numbering them manually.

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Suggests knitr

VignetteBuilder knitr

NeedsCompilation no

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captioner-package  

captioner: A package for numbering figures and generating captions

Description
Contains the function captioner for generating numbered captions.

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bump

Captioner bump function

Description
For figure numbers with sub-values (e.g. 1.1), increment one of the sub-values for use in the next figure.

Usage
bump(cap_fun, level)

Arguments

cap_fun  The captioner function that needs to be bumped
level    Numeric indicating which sub-number should be incremented

Details
Normally captioner only increments the final number in your figure number, even if you have hierarchical numbering (e.g. Fig 1.1.1). This function will bump up any of the penultimate numbers of your choice using a given index. You can use it at the start of a section, for example, to shift from Fig 1.5 to Fig 2.1.

Value
None.

See Also
captioner
Examples

```r
figs <- captioner(levels = 2)
figs("a")
bump(figs, 1)
```

Description

Creates a function to create numbered captions for figures, tables or other objects.

Usage

```r
captioner(prefix = "Figure", auto_space = TRUE, levels = 1, type = NULL, infix = ".")
```

Arguments

- **prefix**: Character string containing text to go before object number. The default is *Figure*.
- **auto_space**: Logical indicating whether or not a space should automatically be added following the prefix. Space is added by default.
- **levels**: Logical or number indicating whether or not you want hierarchical numbering, and if so, how many levels. Hierarchical numbering is turned off by default.
- **type**: Vector with same length as *levels* indicating whether figure numbering should be numeric (*n*), lowercase character (*c*), or uppercase character (*C*). If unspecified, `captioner` will revert to all numeric values.
- **infix**: Character string containing text to go between figure numbers if hierarchical numbering is on. Default is ".".

Details

Captioner generates a function with the following parameters:

- **name**: Character string containing a unique object name
- **caption**: The object caption
- **display**: Character string (or logical) indicating what display mode you would like:
  - *full* or *f* is the default and shows the entire caption with prefix and number
  - *cite* or *c* displays just the prefix and number, without the caption
  - *num* or *n* displays just the number
level: Optional numeric used to bump up the numbering if you have hierarchical numbering. See also bump.

cite: Deprecated. Please use display.

num: Deprecated. Please use display.

And returns a character string containing the prefix and object number with or without a caption. The initial numbering is determined based on the order of caption creation. However, this order is modified based on the citations you use. The first figure to be cited will be moved to the beginning of the list, becoming Figure 1.

Value

A captioner function.

Examples

```r
fig_nums <- captioner()
fig_nums("flower_plot", "This plot shows the distribution of flower colors")
fig_nums("flower_plot", display = "cite")
fig_nums("flower_plot")

tables <- captioner(prefix = "Table", levels = 2)
tables("a", "Table of world populations sorted from greatest to least.")
```
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