Package 'bagyo'

January 19, 2026

Type Package

Title Philippine Tropical Cyclones Data

Version 0.2.0

Description The Philippines frequently experiences tropical cyclones (called 'bagyo' in the Filipino language) because of its geographical position. These cyclones typically bring heavy rainfall, leading to widespread flooding, as well as strong winds that cause significant damage to human life, crops, and property. Data on cyclones are collected and curated by the Philippine Atmospheric, Geophysical, and Astronomical Services Administration or 'PAGASA' and made available through its website <https://bagong.pagasa.dost.gov.ph/tropical-cyclone/publications/annual-report>. This package contains Philippine tropical cyclones data in a machine-readable format. It is hoped that this data package provides an interesting and unique dataset for data exploration and visualisation.

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Depends R (>= 4.1.0)

Suggests dplyr, ggplot2, knitr, lubridate, pdftools, rmarkdown, spelling, testthat (>= 3.0.0), tibble, tidyr

Encoding UTF-8

Language en-GB

LazyData true

RoxygenNote 7.3.3

URL https://panukatan.io/bagyo/, https://github.com/panukatan/bagyo

BugReports https://github.com/panukatan/bagyo/issues

Config/testthat/edition 3

VignetteBuilder knitr

NeedsCompilation no

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Repository CRAN

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Contents

`find_bagyo` *Find cyclones information*

Description

Find cyclones information

Usage

```
find_bagyo(.year = NULL, .category = NULL)
```

Arguments

`.year`	An integer value for a year or a vector of years of cyclones data to retrieve. Default to NULL to retrieve all years.
`.category`	A character value or a vector of category code/s or category name/s to retrieve. Default to NULL to retrieve all categories

Value

A data.frame of cyclones information based on specified `year` and `category`

Examples

```
find_bagyo()
find_bagyo(.year = 2017)
find_bagyo(.category = "TD")
find_bagyo(.year = 2017, .category = "TD")
```

get_bagyo *Get a cyclone name*

Description

Randomly returns a cyclone name and prints additional information available from the package regarding the cyclone.

Usage

```
get_bagyo()
```

Value

A list of information regarding a randomly selected cyclone from the bagyo dataset.

Examples

```
get_bagyo()
```

print.bagyo *print() helper function for get_bagyo() function*

Description

print() helper function for get_bagyo() function

Usage

```
## S3 method for class 'bagyo'
print(x, ...)
```

Arguments

x	Object of class bagyo produced by get_bagyo() function
...	Additional print() arguments

Value

Printed output of get_bagyo() function

Examples

```
get_bagyo()
```

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