

# Package ‘bagyo’

April 18, 2024

**Type** Package

**Title** Philippine Tropical Cyclones Data

**Version** 0.1.1

**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.

**License** CC0

**Depends** R (>= 2.10)

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

**Encoding** UTF-8

**Language** en-GB

**LazyData** true

**RoxygenNote** 7.3.1

**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

**Author** Ernest Guevarra [aut, cre, cph]  
(<<https://orcid.org/0000-0002-4887-4415>>)

**Maintainer** Ernest Guevarra <ernest@guevarra.io>

**Repository** CRAN

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find_bagyo	<i>Find cyclones information</i>
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### 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")
```

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get_bagyo	<i>Get a cyclone name</i>
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**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()
```

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print.bagyo	<i>print() helper function for get_bagyo() function</i>
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**Description**

`print()` helper function for `get_bagyo()` function

**Usage**

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

**Arguments**

x	Object of class bagyo produced by <code>get_bagyo()</code> function
...	Additional <code>print()</code> arguments

**Value**

Printed output of `get_bagyo()` function

**Examples**

```
get_bagyo()
```

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