

Package 'ymd'

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Title Parse 'YMD' Format Number or String to Date

Version 0.0.1

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Description Convert 'YMD' format number or string to Date efficiently, using Rust's standard library. It also provides helper functions to handle Date, e.g., quick finding the beginning or ending of the given period, adding months to Date, etc.

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URL <https://shrektan.github.io/ymd/>, <https://github.com/shrektan/ymd>

BugReports <https://github.com/shrektan/ymd/issues>

SystemRequirements Cargo (rustc package manager)

Encoding UTF-8

RoxygenNote 7.1.2

Biarch true

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

Config/ymd/windows_toolchain stable-msvc

Config/ymd/crate_name ymd

Config/ymd/github_repo shrektan/ymd

Config/ymd/github_tag v0.0.1

Config/ymd/binary_sha256sum list(`aarch64-apple-darwin-libymd.a` =
 ``e6f9a33396a8c97dcd6b0faf92b822f4efa1ae02cc9ddc10a7aea2a25b4e3293",
 `i686-pc-windows-gnu-libymd.a` =
 ``dabad815be64e6134f8e4a453dfca35229d19726c551c071f203fa636527f35",
 `ucrt-x86_64-pc-windows-gnu-libymd.a` =
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 `x86_64-apple-darwin-libymd.a` =
 ``4e4bfa69b22c0611d212fd6e09f32c6066c3af61d2f8c16e29327782308b98d4",
 `x86_64-pc-windows-gnu-libymd.a` =
 ``063862240340b93ad5eb96138e42a5392c3f3c77241468f2d8e5bb39815cc2ee"
)

NeedsCompilation yes

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configure, configure.win, tools/configure.R)

Repository CRAN

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| | |
|------|-----------------------------------------------|
| beop | <i>Find the Beginning or Ending of Period</i> |
|------|-----------------------------------------------|

Description

Each of bop and eop contains a list of functions, whose names all consist of two letters, the first of which stands for **last**, **this**, **next** while the second stands for **year**, **quarter**, **month**, **week**. For example, eop\$ty() means "the **e**nding **o**f **p**eriod of **t**his **y**ear" and bop\$lm() means "the **b**eginning **o**f **p**eriod of **l**ast **m**onth".

Details

All functions' signatures are the same, with only one argument x, which could be a Date or values that can be converted to Date via [ymd\(\)](#).

Examples

```
bop$ty(as.Date("2021-03-02"))
## supports 'YMD' formatted integer or string
bop$ty(210302)
eop$tm(200201)
```

| | |
|-------|-------------------------------------------------|
| edate | <i>Calculate the date before / after months</i> |
|-------|-------------------------------------------------|

Description

Calculate the date before / after months

Usage

```
edate(ref_date, months)
```

Arguments

| | |
|----------|-----------------------------------------------|
| ref_date | a Date vector |
| months | the number of months that's added to ref_date |

Note

The function name is the same as the Excel function EDATE() and does the same. It returns the date that is the indicated number of months before or after the ref date.

Examples

```
edate(as.Date("2020-01-31"), 1)
## supports 'YMD' formatted integer or string
edate(200131, 1)
edate(200229, -12)
```

| | |
|-----|-------------------------------------------------------|
| ymd | <i>Convert 'YMD' format integer or string to Date</i> |
|-----|-------------------------------------------------------|

Description

Transform integer or strings vectors in 'YMD' format to Date objects. It intends to only support limited formats (no separator or one of '.', ' ', '-' and '/' separators). See the possible formats in examples.

Usage

```
ymd(x)
```

Arguments

| | |
|---|--------------------------------------------------------------------------------------------------|
| x | An integer or string vector in 'YMD' format. Double values without the decimal part are allowed. |
|---|--------------------------------------------------------------------------------------------------|

Value

A Date object. When the parse fails for certain input, the value returned would be NA, silently.

Examples

```
ymd(c(210326, 19981225))  
ymd(c("2020/1/8", "20 1 7", "1998.7.1", "1990-02-03"))
```

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