Package 'ageg'

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Type Package

Title Age Grouping Functions

Version 1.0.0

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Description Pair of simple convenience functions to convert a vector of birth dates to age and age distributions. These functions may be helpful when related age and custom age distributions are desired given a vector of birth dates.

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Encoding UTF-8

NeedsCompilation no

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Contents

`a2g` *Age to Group*

Description

Function that converts numeric age values to user defined age groups.

Usage

```
a2g(ages, mydist)
```

Arguments

ages	Vector of Numeric class age values.
mydist	Vector of Character class age distributions. Values must be two integers separated by a hyphen. Remove any whitespaces on either side of the hyphen.

Value

Returns a Character class vector object of age distribution values defined by the mydist argument. The function will otherwise return an error message stating that the function requires a numeric class object.

Examples

```
ages <- c(3, 101, 42, 32)
mydist  <- c("5-10","11-20","21-30","31-40","41-50","51-60","61-70","71+")

a2g(ages, mydist)

# > a2g(ages, mydist)
# [1] NA      "71+"   "41-50" "31-40"
```

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d2a *Date to Age*

Description

Function that converts a Date class vector of birth date values to numeric age values. This function is preparative to the a2g function.

Usage

```
d2a(bd)
```

Arguments

bd	Vector of Date class values. The date "yyyy-mm-dd" format is expected.

Value

Returns a numeric class vector object of ages if the function is provided a Date class object. The function will otherwise return an error message stating that the function requires a Date class object.

Examples

```
datevals <- as.Date(c("2019-01-01","1920-12-12","1980-02-02","1991-03-03" ))


d2a(datevals)

# > d2a(datevals)
# [1]  3 101  42  31
```

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