

Package ‘ageg’

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Type Package

Title Age Grouping Functions

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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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a2g	<i>Age to Group</i>
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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"
```

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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