Package ‘readability’

January 22, 2017

Title Calculate Readability Scores
Version 0.1.1
Maintainer Tyler Rinker <tyler.rinker@gmail.com>
Description Calculate readability scores by grouping variables. Readability is an approximation of the ease with which a reader parses and comprehends a written text. These scores use text attributes such as syllable counts, number of words, and number of characters to calculate an approximate grade level reading ease for the text. The readability scores that are calculated include: Flesch Kincaid, Gunning Fog Index, Coleman Liau, SMOG, and Automated Readability Index.

Depends R (>= 3.2.1)
Imports data.table (>= 1.9.6), ggplot2, stats, syllable, tidyr
Suggests testthat
Date 2017-01-20
License GPL-2
LazyData TRUE
RoxygenNote 5.0.1

BugReports https://github.com/trinker/readability/issues?state=open
URL https://github.com/trinker/readability

Author Tyler Rinker [aut, cre]
Repository CRAN
Date/Publication 2017-01-22 12:38:43

R topics documented:

plot.readability .................................................. 2
print.readability .................................................. 2
readability ......................................................... 3

Index 5
### plot.readability

Plots a readability Object

**Description**

Plots a readability object

**Usage**

```r
## S3 method for class 'readability'
plot(x, ...)
```

**Arguments**

- `x` A readability object.
- `...` ignored.

### print.readability

Prints a readability Object

**Description**

Prints a readability object

**Usage**

```r
## S3 method for class 'readability'
print(x, digits = 1, ...)
```

**Arguments**

- `x` A readability object.
- `digits` The number of digits to print.
- `...` ignored.
**readability**  

*Calculate Readability Scores*

**Description**

A collection of readability tools that utilize the *syllable* package for fast calculation of readability scores by grouping variables.

Calculate the Flesch Kincaid, Gunning Fog Index, Coleman Liau, SMOG, Automated Readability Index and an average of the 5 readability scores.

**Usage**

```r
readability(x, grouping.var, order.by.readability = TRUE, group.names, ...)
```

**Arguments**

- `x`  
  A character vector.

- `grouping.var`  
  The grouping variable(s). Takes a single grouping variable or a list of 1 or more grouping variables.

- `order.by.readability`  
  logical. If TRUE orders the results descending by readability score.

- `group.names`  
  A vector of names that corresponds to group. Generally for internal use.

- `...`  
  ignored

**Value**

Returns a *data.frame* (*data.table*) readability scores.

**References**


Examples

```r
## Not run:
library(syllable)

(x1 <- with(presidential_debates_2012, readability(dialogue, NULL)))

(x2 <- with(presidential_debates_2012, readability(dialogue, list(person, time)))))
plot(x2)

(x2b <- with(presidential_debates_2012, readability(dialogue, list(person, time),
          order.by.readability = FALSE)))

(x3 <- with(presidential_debates_2012, readability(dialogue, TRUE)))

## End(Not run)
```
Index

* Topic Automated
  readability, 3
* Topic Coleman
  readability, 3
* Topic Flesch-Kincaid
  readability, 3
* Topic Fry
  readability, 3
* Topic Index
  readability, 3
* Topic Liau
  readability, 3
* Topic Linsear
  readability, 3
* Topic Readability
  readability, 3
* Topic SMOG
  readability, 3
* Topic Write
  readability, 3
* Topic readability
  readability, 3

data.frame, 3
data.table, 3

package-readability (readability), 3
plot.readability, 2
print.readability, 2

readability, 3
readability-package (readability), 3