

Package ‘readroper’

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Type Package

Title Simply Read ASCII Single and Multicard Polling Datasets

Version 0.9.3

Description A convenient way to read fixed-width ASCII polling datasets from providers like the Roper Center <<https://ropercenter.cornell.edu>>.

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Encoding UTF-8

LazyData true

Imports readr (>= 1.3.1)

Suggests knitr, rmarkdown, testthat, gdata

VignetteBuilder knitr

RoxygenNote 7.1.0

NeedsCompilation no

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readroper_example	<i>Get path to readroper example</i>
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Description

readroper comes bundled with a number of sample files in its 'inst/extdata' directory. This function make them easy to access

Usage

```
readroper_example(path = NULL)
```

Arguments

path	Name of file. If 'NULL', the example files will be listed.
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Examples

```
readroper_example()  
readroper_example('testMultiCard.txt')  
readroper_example('testSingleCard.txt')
```

read_rpr	<i>Reads Roper Center datasets</i>
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Description

Reads fixed-width ASCII roper files. Takes arguments in the format a Roper Center survey code-book provides

Usage

```
read_rpr(  
  col_positions = NaN,  
  widths = NaN,  
  col_names = NaN,  
  filepath = NaN,  
  card_read = NaN,  
  cards = NaN  
)
```

Arguments

col_positions	starting position(s) to read
widths	width of value(s) to read
col_names	names of columns to return
filepath	data obj or filepath to read
card_read	card to read (if blank, reads a single card dataset)
cards	number of cards in dataset (if null, assumes single card)

Value

a dataframe with `len(col_names)` number of columns, assigned to the values of `col_names`

Examples

```
fwf_sample <- readroper_example('testMultiCard.txt')
cat(readr::read_lines(fwf_sample))
fwf_sample2 <- readroper_example('testSingleCard.txt')
cat(readr::read_lines(fwf_sample2))
# 1. Fixed width file, first card, multi-card
read_rpr(col_positions=c(1,2,4), widths=c(1,2,1),
col_names=c('V1','V2','V3'), filepath=fwf_sample, card_read=1, cards=2)
# 2 .Fixed width file, first card, single card
read_rpr(col_positions=c(1,2,4), widths=c(1,2,1),
col_names=c('V1','V2','V3'), filepath=fwf_sample2)
# 3. Fixed width file, second card, multi-card
read_rpr(col_positions=c(1,2,4), widths=c(1,2,1),
col_names=c('V1','V2','V3'), filepath=fwf_sample, card_read=2, cards=2)
```

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