

# Package ‘readroper’

October 14, 2022

**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>>.

**License** MIT + file LICENSE

**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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**Repository** CRAN

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readroper\_example      *Get path to readroper example*

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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.

### Examples

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

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read\_rpr                      *Reads Roper Center datasets*

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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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