

Package ‘ropercenter’

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Type Package

Title Reproducible Data Retrieval from the Roper Center Data Archive

Version 0.2.0

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URL <https://github.com/fsolt/ropercenter>

BugReports <https://github.com/fsolt/ropercenter/issues>

Description Reproducible, programmatic retrieval of datasets from the Roper Center data archive. The Roper Center for Public Opinion Research <<https://ropercenter.cornell.edu>> maintains the largest archive of public opinion data in existence, but researchers using these datasets are caught in a bind. The Center's terms and conditions bar redistribution of downloaded datasets, but to ensure that one's work can be reproduced, assessed, and built upon by others, one must provide access to the raw data one employed. The `ropercenter` package cuts this knot by providing registered users with programmatic, reproducible access to Roper Center datasets from within R.

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LazyData TRUE

Suggests knitr, rmarkdown

VignetteBuilder knitr

Imports rvest, httr, xml2, dplyr, stringr, haven, foreign, tibble, tidy, readr

RoxygenNote 6.0.1

NeedsCompilation no

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read_ascii	<i>Read ASCII datasets downloaded from the Roper Center</i>
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Description

read_ascii helps format ASCII data files downloaded from the Roper Center.

Usage

```
read_ascii(file, total_cards = 1, var_names, var_cards = 1, var_positions,
           var_widths, card_pattern, respondent_pattern)
```

Arguments

file	A path to an ASCII data file.
total_cards	For multicard files, the number of cards in the file.
var_names	A string vector of variable names.
var_cards	For multicard files, a numeric vector of the cards on which var_names are recorded.
var_positions	A numeric vector of the column positions in which var_names are recorded.
var_widths	A numeric vector of the widths used to record var_names.
card_pattern	For use when the file does not contain a line for every card for every respondent (or contains extra lines that correspond to no respondent), a regular expression that matches the file's card identifier; e.g., if the card number is stored in the last digit of each line, "\d\$".
respondent_pattern	For use when the file does not contain a line for every card for every respondent (or contains extra lines that correspond to no respondent), a regular expression that matches the file's respondent identifier; e.g., if the respondent number is stored in the first four digits of each line, preceded by a space, "(?<=^s)\d4".

Value

A data frame containing any variables specified in the var_names argument, plus a numeric respondent identifier and as many string card variables (card1, card2, ...) as specified by the total_cards argument.

Examples

```
## Not run:
gallup9206 <- read_ascii(file = "roper_data/USAIPOGNS1992-222054/USAIPOGNS1992-222054.dat",
  total_cards = 4,
  var_names = c("q24", "weight"),
  var_cards = c(4, 1),
  var_positions = c(46, 13),
  var_widths = c(1, 3))

## End(Not run)
```

roper_download	<i>Download datasets from the Roper Center</i>
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Description

roper_download provides a programmatic and reproducible means to download datasets from the Roper Center's data archive

Usage

```
roper_download(file_id, email = getOption("roper_email"),
  password = getOption("roper_password"), reset = FALSE,
  download_dir = "roper_data", msg = TRUE, convert = TRUE)
```

Arguments

file_id	The unique identifier (or optionally a vector of these identifiers) for the dataset(s) to be downloaded (see details).
email, password	Your Roper Center email and password (see details)
reset	If TRUE, you will be asked to re-enter your Roper Center email and password.
download_dir	The directory (relative to your working directory) to which files from the Roper Center will be downloaded.
msg	If TRUE, outputs a message showing which data set is being downloaded.
convert	If TRUE, converts downloaded file(s) to .RData format.

Details

To avoid requiring others to edit your scripts to insert their own email and password or to force them to do so interactively, the default is set to fetch this information from the user's .Rprofile. Before running roper_download, then, you should be sure to add these options to your .Rprofile substituting your info for the example below:

```
options("roper_email" = "juanita-herrara@uppermidwest.edu", "roper_password" = "password123")
```

Value

The function returns downloaded files.

Examples

```
## Not run:  
roper_download(file_id = c("CNCIP01996-96010", "CNCIP02000-02"))  
  
## End(Not run)
```

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