Package 'readit'

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Title Effortlessly Read Any Rectangular Data

Description Providing just one primary function, 'readit' uses a set of reasonable heuristics to apply the appropriate reader function to the given file path. As long as the data file has an extension, and the data is (or can be coerced to be) rectangular, readit() can probably read it.

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Depends R (>= 3.4.0)

Imports crayon (>= 1.3.4), haven (>= 1.1.1), jsonlite (>= 1.5), readr (>= 1.1.1), readxl (>= 1.0.0), tools (>= 3.4.3)

Suggests devtools (>= 1.13.4), dplyr (>= 0.7.4), knitr (>= 1.19), rmarkdown (>= 1.8), testthat (>= 2.0.0)

URL https://github.com/ryapric/readit

BugReports https://github.com/ryapric/readit/issues

RoxygenNote 6.0.1

Encoding UTF-8

LazyData true

NeedsCompilation no

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guess_haven *Guess File Type to Pass to* haven *Readers*

Description

This function is a helper for `readit()` to guess the type of file that can be passed to an appropriate reader from haven.

Usage

```
guess_haven(.data)
```

Arguments

`.data`	Data to guess/read

Value

A reader function, and its label

guess_txt *Guess ".txt" Delimiter*

Description

Since a `.txt` file is of ambiguous delimitation, this function is a helper for `readit()` to guess the type, and return the appropriate reader.

Usage

```
guess_txt(.data)
```

Arguments

`.data`	Data to guess/read

Value

A reader function, and its label

`readit` *Read Files of Any Type*

Description

Given a file path, read the data into R, regardless of file type/extension. `readit` is a thick wrapper around many of the tidyverse libraries, but can be forced to use base functions where possible. Note that the caveat is that the file **needs** to have an extension, as well as be of a relatively common type. "Common types" are any file type that can be handled by the readr, readxl, or haven packages.

Usage

```
readit(.data, ..., tidyverse = TRUE)
```

Arguments

`.data`	File path to read data from.
`...`	Additional arguments passed to tidyverse read functions, e.g. `sheet`, `n_max`, etc.
`tidyverse`	Should `readit` use functions available in the tidyverse, e.g. functions from `readr`, etc.? Defaults to `TRUE`.

Examples

```
readit(system.file("examples", "csv.csv", package = "readit"))
readit(system.file("examples", "tab_sep.txt", package = "readit"))
readit(system.file("examples", "semi_sep.txt", package = "readit"))
readit(system.file("examples", "xlsx.xlsx", package = "readit"))
readit(system.file("examples", "xls.xls", package = "readit"))
readit(system.file("examples", "iris.sas7bdat", package = "readit"))
```

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