Package 'readtextgrid'

July 23, 2025

Type Package

Title Read in a 'Praat' 'TextGrid' File

Version 0.1.2

Description 'Praat' <https://www.fon.hum.uva.nl/praat/> is a widely
used tool for manipulating, annotating and analyzing speech and
acoustic data. It stores annotation data in a format called a
'TextGrid'. This package provides a way to read these
files into R.

License GPL-3

Encoding UTF-8

Depends R (>= 4.1.0)

Suggests testthat (>= 2.1.0)

RoxygenNote 7.3.1

Imports stats, utils, tibble, purrr, readr, stringr, plyr

URL <https://github.com/tjmahr/readtextgrid>

BugReports <https://github.com/tjmahr/readtextgrid/issues>

NeedsCompilation no

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Repository CRAN

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example_textgrid   *Locate the path of an example textgrid file*

Description

Locate the path of an example textgrid file

Usage

```
example_textgrid(which = 1)
```

Arguments

which   index of the textgrid to load

Details

This function is a wrapper over system.file() to locate the paths to bundled textgrids. These files are used to test or demonstrate functionality of the package.

Two files are included:

1. `"Mary_John_bell.TextGrid"` - the default TextGrid created by Praat's Create TextGrid command. This file is saved as UTF-8 encoding.
2. `"utf_16_be.TextGrid"` - a TextGrid with some IPA characters entered using Praat's IPA character selector. This file is saved with UTF-16 encoding.

Value

Path of `"Mary_John_bell.TextGrid"` bundled with the `readtextgrid` package.

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read_textgrid   *Read a textgrid file into a tibble*

Description

Read a textgrid file into a tibble

Usage

```
read_textgrid(path, file = NULL, encoding = NULL)

read_textgrid_lines(lines, file = NULL)
```

Arguments

path	a path to a textgrid
file	an optional value to use for the `file` column. For `read_textgrid()`, the default is the base filename of the input file. For `read_textgrid_lines()`, the default is `NA`.
encoding	the encoding of the textgrid. The default value `NULL` uses `readr::guess_encoding()` to guess the encoding of the textgrid. If an encoding is provided, it is forwarded to `[readr::locale()]` and `[readr::read_lines()]`.
lines	alternatively, the lines of a textgrid file

Value

a tibble with one row per textgrid annotation

Examples

```
tg <- system.file("Mary_John_bell.TextGrid", package = "readtextgrid")
read_textgrid(tg)
```

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