

# Package ‘speakr’

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**Type** Package

**Title** A Wrapper for the Phonetic Software Praat

**Version** 3.0.0

**Date** 2021-01-20

**Description** It allows running Praat scripts from R and it provides some wrappers for basic plotting. It also adds support for literate markdown tangling. The package is designed to bring reproducible phonetic research into R.

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**URL** <https://github.com/stefanocoretta/speakr>

**BugReports** <https://github.com/stefanocoretta/speakr/issues>

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 7.1.1

**Imports** tidyverse, readr

**Suggests** knitr, rmarkdown

**VignetteBuilder** knitr

**Language** en\_GB

**NeedsCompilation** no

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**Repository** CRAN

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get_praat_path	<i>Print path to Praat.</i>
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**Description**

It prints the path to Praat on the console for inspection.

**Usage**

```
get_praat_path()
```

**Value**

A character vector with the Praat path.

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praat_open	<i>Open files with Praat.</i>
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**Description**

It opens a file or list of files in the Praat GUI.

**Usage**

```
praat_open(...)
```

**Arguments**

... A character vector with the path to the file. Include multiple vector arguments to open multiple files.

**Value**

Nothing. Used for its side effects.

**Examples**

```
## Not run:  
# Open a single file  
  
script <- system.file("extdata", "get-formants.praat", package = "spekr")  
praat_open(script)  
  
# Open multiple files  
  
wav <- system.file("extdata", "vowels.wav", package = "spekr")
```

```
tg <- system.file("extdata", "vowels.TextGrid", package = "speakr")
praat_open(wav, tg)

## End(Not run)
```

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praat_run	<i>Run a Praat script.</i>
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## Description

It runs a Praat script, with optional arguments passed to the script.

## Usage

```
praat_run(script, ..., capture = FALSE)
```

## Arguments

script	A character vector containing the script name.
...	List of arguments to be passed to the script.
capture	If set to TRUE, the standard output of the script (for example, from <code>writeInfo</code> ) can be saved into a variable in R. If FALSE (the default) the output is logged to the console.

## Value

If the Praat script returns standard output this is returned as a character vector. Also, if the script has instructions to create files, these will be created.

## Examples

```
## Not run:
script <- system.file("extdata", "get-formants.praat", package = "speakr")

# Run get-formants.praat with argument "Hertz" and log to console.
praat_run(script, "Hertz")

# Run get-formants.praat with arguments and save in R variable.
library(readr)
formants <- praat_run(script, "Hertz", 0.03, capture = TRUE) %>%
  read_csv()

## End(Not run)
```

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set_praat_path	<i>Set path to Praat.</i>
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**Description**

It assigns the default path to Praat or the user assigned path (when `default.path = FALSE`, which is the default).

**Usage**

```
set_praat_path(path, default.path = FALSE)
```

**Arguments**

path	The path to the Praat executable.
default.path	If TRUE, the path is set to what <code>praatPath</code> returns.

**Value**

Nothing. It is used for its side effects.

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start_praat	<i>Start Praat.</i>
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**Description**

It opens the Praat GUI.

**Usage**

```
start_praat()
```

**Value**

Nothing. Used for its side effects.

**Examples**

```
## Not run:  
# Open Praat GUI.  
start_praat()  
  
## End(Not run)
```

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