# Package 'polyglot'

May 18, 2020

**Type** Package

**Title** Learn Foreign Language Vocabulary

**Version** 0.3.0

**Description**
Use the R console as an interactive learning environment to memorize any two columns dataset.

**Depends** R (>= 3.2.0)

**License** GPL-3

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 7.1.0

**Imports** utils, magick, pins

**NeedsCompilation** no

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**URL** https://felixluginbuhl.com/polyglot,
https://github.com/lgnbhl/polyglot

**BugReports** https://github.com/lgnbhl/polyglot/issues

**Repository** CRAN

**Date/Publication** 2020-05-18 08:20:02 UTC

## R topics documented:

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get_examples                      *Get example CSV files*

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### Description

This function gives access to the CSV files given as demonstrations when using the [learn](#) function.

### Usage

```
get_examples()
```

### Examples

```
get_examples()
```

---

learn                      *Initialize the interactive environment*

---

### Description

This function will launch the interactive learning environment.

### Usage

```
learn(assign.env = parent.frame(1))
```

### Arguments

assign.env       An environment

### Details

This function initializes the interactive environment by proposing to select a CSV file from the caching directory built with the pins package. Once the file is selected, the function reads the selected dataset and adds a numeric variable, named Score, if not already existing. It also replaces any existing missing values by 0 from the Score variable. Finally the function returns to the [sessionQuestions](#) function, or to the [sessionExit](#) function if 0 is typed.

### Note

If you have any problem with the encoding, or if you want to read a dataset with an non-Latin alphabet, please type ?Sys.setlocale() and follow the instructions.

## Examples

```
if(interactive()){
learn()
}
```

---

learn_dir                    *Open the datasets directory*

---

## Description

This function will open the directory which contains the local datasets files used in polygot thanks to the pins package.

## Usage

```
learn_dir(polyglotDirectory = pins::board_local_storage())
```

## Arguments

polyglotDirectory
               A string

## Details

This function opens the directory which contain all the dataset files which are loaded into the interactive learning environment of the polyglot package.

## Examples

```
if(interactive()){
learn_dir()
}
```

---

sessionExit                    *Exit the interactive environment*

---

## Description

This function will quit the interactive learning environment.

## Usage

```
sessionExit(assign.env = parent.frame(1))
```

## Arguments

assign.env        An environment

## Details

This function calculates the learning session time and print it. Then, it cleans the Global Environment if needed and displays a farewell message.

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sessionQuestions          *Ask questions in the interactive environment*

---

## Description

This function will print the questions in the interactive learning environment.

## Usage

```
sessionQuestions(assign.env = parent.frame(1))
```

## Arguments

assign.env        An environment

## Details

This function reads the selected dataset and print the first row of its first colomn, i.e. the question. Then it presents to the user a menu, which gives him multiple choices. According to the choice made by the user, the function gives a score point and will return a due date, inspired by the SuperMemo-2 and Anki algorithms. The menu also proposes to show the answer (the 2nd column of the row), to give a hint/example, or to go back to the main menu. Finally, the function reorders the dataset in order to get the lower points score in its first row and return the function once again.

## Note

In order to quit, simply type 0.

## Source

<https://www.supermemo.com/english/ol/sm2.htm> SuperMemo-2 algorithm

<https://apps.ankiweb.net/docs/manual.html#what-spaced-repetition-algorithm-does-anki-use>
Anki algorithm

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