

Package ‘AllPossibleSpellings’

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Type Package

Title Computes all of a word's possible spellings.

Version 1.1

Date 2010-11-12

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Description Contains functions `possSpells.fnc` and
`batch.possSpells.fnc`.

License GPL-2

LazyLoad yes

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AllPossibleSpellings-package

Finds all of word's possible spellings.

Description

There are two functions: `possSpells.fnc` and `batch.possSpells.fnc`. `possSpells.fnc`: For each word supplied to the `possSpells.fnc` function, all possible spellings for each word will be returned as well as the number of possible spellings for that word. `batch.possSpells.fnc`: For every word list contained in each of the `.rda` files, the names of which are stored in the object files, computes all of the words' possible spellings and writes the output to a `.txt` file.

Details

```

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Type:      Package
Version:   1.1
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License:   GPL-2
LazyLoad: yes

```

The package contains the function `possSpells.fnc` and `batch.possSpells.fnc`.

Author(s)

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Maintainer: Antoine Tremblay <trea26@gmail.com>

See Also

[possSpells.fnc](#) [batch.possSpells.fnc](#)

Examples

```

#####
#       possSpells.fnc       #
#####

# create a list of words
word.list<-c("d_ZZZ_s_t_I_t",
             "j_u_l_o",
             "f_A_m"
)
(as.matrix(word.list))

# process the words
x<-possSpells.fnc(word.list)
(matrix(x,ncol=4,nrow=29))

#####
#       batch.possSpells.fnc   #
#####

# create and save first word list
words<-c("d_ZZZ_s_t_I_t",
          "j_u_l_o",
          "f_A_m"
)
save(words,file="some.words.rda")

# create and sve second word list
words<-c("ZZZ_k_s_@_d_0_f_t",

```

```

        "b_E_N",
        "b_r_I_l_t"
    )
    save(words, file="other.words.rda")

    # create and save third word list
    words<-c("g_r_ZZZ_dZ",
            "k_e_v_I_t",
            "k_o_l_E_p"
    )
    save(words, file="more.words.rda")

    # create and save fourth word list
    words<-c("k_l_u_t_l",
            "d_ZZZ_g_o_s_o",
            "d_r_i_g_b_l_A_m"
    )
    save(words, file="yet.more.words.rda")

    # create the vector of file names
    files=c("some.words.rda",
           "other.words.rda",
           "more.words.rda",
           "yet.more.words.rda"
    )

    # process the files
    # The list of possible spellings for each
    # word list are saved as a '.txt' file
    # in the current directory, e.g., 'some.words.txt'.
    batch.possSpells.fnc(fn=files)

```

batch.possSpells.fnc *Batch processing function for possSpells.fnc.*

Description

Load each FILE_NAME.rda file whose name appears in the vector file, loads the file and passes the object words contained in the file to the function possSpells.fnc.

Usage

```
batch.possSpells.fnc(fn = list.files(pattern = ".*\\.rda"))
```

Arguments

fn A vector containing the names of the files that contain the object words, which will be loaded and passed to possSpells.fnc. If you do not supply an object name to the fn argument of the function, the names of all FILE_NAME.rda files existing in the current directory will be supplied to batch.possSep11s.fnc.

Details

The files have to be in .rda format and must contain an object named words, which is a vector of words in Sampa phonetic script.

Value

Saves (i) a log of the process activities to a FILE_NAME_log.doc file and (ii) all of the words' possible spellings to a FILE_NAME.doc file.

Author(s)

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See Also

[possSpells.fnc](#)

Examples

```
# create and save first word list
words<-c("d_ZZZ_s_t_I_t",
        "j_u_l_o",
        "f_A_m"
)
save(words,file="some.words.rda")

# create and sve second word list
words<-c("ZZZ_k_s_@_d_0_f_t",
        "b_E_N",
        "b_r_I_l_t"
)
save(words,file="other.words.rda")

# create and save third word list
words<-c("g_r_ZZZ_dZ",
        "k_e_v_I_t",
        "k_o_l_E_p"
)
save(words,file="more.words.rda")

# create and save fourth word list
words<-c("k_l_u_t_l",
        "d_ZZZ_g_o_s_o",
        "d_r_i_g_b_l_A_m"
)
save(words,file="yet.more.words.rda")

# create the vector of file names
files=c("some.words.rda",
        "other.words.rda",
        "more.words.rda",
        "yet.more.words.rda")
```

```

)

# process the files
# The list of possible spellings for each
# word list are saved as a '.txt' file
# in the current directory, e.g., 'some.words.txt'.
batch.possSpells.fnc(fn=files)

```

possSpells.fnc *Get all of a word's possible spellings.*

Description

For every word in the input list, the function will return the number of possible spellings as well as the actual spellings.

Usage

```
possSpells.fnc(words)
```

Arguments

words Note that the words have to be in Sampa phonetic notation. Also note that the Sampa symbols left curly bracket and @ prime (where prime is an actual prime symbol) have to be replaced by ZZZ and RRR respectively. Further note that the individual phonemes of a word have to be separated by an underscore _.

Details

The function returns a vector containing all of a word's possible spellings.

Author(s)

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See Also

[batch.possSpells.fnc](#)

Examples

```

# create a list of words
word.list<-c("d_ZZZ_s_t_I_t",
            "j_u_l_o",
            "f_A_m"
)
(as.matrix(word.list))

# process the words
x<-possSpells.fnc(word.list)
(matrix(x,ncol=4,nrow=29))

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