Package 'MATH513Package'

January 6, 2023

Title A Package to visualize different information from the Joe Biden's speeches

Version 1.0.0.9000

Description The package visualizes different information extracted from the transcripts of the Joe Biden's speeches in the year 2020.

Depends R (>= 4.2.0)

License GPL-2 | GPL-3

Encoding UTF-8

LazyData true

RoxygenNote 7.2.3

Suggests knitr,
  rmarkdown

VignetteBuilder knitr

Imports dplyr,
  ggplot2,
  tidyr,
  scales,
  stringr,
  tidytext,
  utils,
  devtools,
  lubridate,
  readr,
  roxygen2,
  tibble,
  usethis,
  zonator

R topics documented:

frequency	*Change of specific word frequencies over time based on the speech-esData dataset*

Description

This function calculates and plots the frequency of given words based on the SpeechesData dataset.

Usage

```
frequency(word)
```

Arguments

word   A string vector containing the words to search

Value

One or more plots, based on how many individual words were used in the function call. Each plot will show the date on the x-axis and percentual frequency on the y-axis.

Author(s)

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Examples

```
frequency("country")
frequency(c("country","businesses","president"))
```

speechesData	*The Joe Biden's speeches data*

Description

The Joe Biden's speeches data is a nice and useful data set. It reports the transcripts of Joe Biden's speeches at six different events in 2020, together with their location and date.

Usage

```
speechesData
```

Format

A data.frame with 128 rows and 5 columns:

speech Transcript of the speech

part Part of the speech

location Location of the event where the speech took place

event Name of the event where the speech took place

date Date when the speech took place

Source

Data provided by the University of Plymouth, but disclosure protected

Examples

```
speechesWashington <- speechesData[speechesData$location == "Washington",]
speechesPhiladelphia <- speechesData[speechesData$location == "Philadelphia",]
```

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