

Package ‘chldeswordfreq’

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Title Word Frequency Extraction and Summarization

Version 0.1.0

Description Provides tools to extract word frequencies from the CHILDES (Child Language Data Exchange System) corpus. The main function allows users to input a list of words and receive speaker-role-specific frequency counts and a summary of the dataset. The output includes Excel-formatted tables of word counts and metadata summaries such as number of speakers, transcripts, children, and token counts. Useful for researchers studying early language acquisition, corpus linguistics, and speaker role variation. The CHILDES database is maintained at <<https://chldes.talkbank.org/>>.

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Encoding UTF-8

RoxygenNote 7.3.2

Imports chldesr, readr, dplyr, tidyr, writexl, rlang, magrittr, stats

URL <https://github.com/n-albudoor/chldeswordfreq>

BugReports <https://github.com/n-albudoor/chldeswordfreq/issues>

Suggests knitr, rmarkdown, testthat (>= 3.0.0)

VignetteBuilder knitr

Config/testthat/edition 3

NeedsCompilation no

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Repository CRAN

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word_counts	<i>Get Word Counts by Speaker Role</i>
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Description

Reads a word list CSV and outputs a word frequency Excel file with summary.

Usage

```
word_counts(  
  word_list_file,  
  output_file,  
  collection = NULL,  
  language = NULL,  
  corpus = NULL,  
  age = NULL,  
  sex = NULL  
)
```

Arguments

word_list_file	Path to CSV file with a "word" column.
output_file	Path to output Excel (.xlsx) file.
collection	Language collection (default = NULL).
language	Vector of languages.
corpus	Vector of corpora.
age	Numeric vector: single value or min/max.
sex	"male" and/or "female".

Value

Writes an Excel file with 2 sheets: word frequencies and summary.

Examples

```
word_file <- system.file("extdata", "word_list.csv", package = "chldeswordfreq")  
output_file <- tempfile(fileext = ".xlsx")  
word_counts(  
  word_list_file = word_file,  
  output_file = output_file,  
  collection = NULL,  
  language = "eng",  
  age = c(18, 36),  
  sex = NULL  
)
```

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