

Package ‘ennet’

November 24, 2020

Type Package

Title Utilities to Extract and Analyse Text Data from the Emergency Nutrition Network Forum

Version 0.1.0

Description The Emergency Nutrition Network or en-net forum is the go to online forum for field practitioners requiring prompt technical advice for operational challenges for which answers are not readily accessible in current guidelines. The questions and the corresponding answers raised within en-net can provide insight into what the key topics of discussion are within the nutrition sector. This package provides utility functions for the extraction, processing and analysis of text data from the online forum.

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Depends R (>= 2.10)

Imports magrittr, rvest, xml2, tibble, dplyr, stringr, lubridate

Suggests knitr, rmarkdown, DiagrammeR, testthat, spelling

Encoding UTF-8

Language en-GB

LazyData true

RoxygenNote 7.1.1

URL <https://github.com/katilingban/ennet>

BugReports <https://github.com/katilingban/ennet/issues>

VignetteBuilder knitr

NeedsCompilation no

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Repository CRAN

Date/Publication 2020-11-24 12:20:05 UTC

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arrange_replies	<i>Arrange topics based on number of replies</i>
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Description

Arrange topics based on number of replies

Usage

```
arrange_replies(
  topics,
  by_theme = TRUE,
  by_date = c("month_year", "year", "all")
)
```

Arguments

topics	A tibble of topics by theme from en-net forum produced through a call to get_themes_topics() .
by_theme	Logical. Should topics be grouped by theme? Default is <i>TRUE</i> .
by_date	Should topics be grouped by month of the year or just by year? Default is to group by month of the year.

Value

A tibble of topic views by theme and by specified date format arranged in descending order

Author(s)

Ernest Guevarra

Examples

```
library(magrittr)
ennet_topics %>% arrange_replies()
```

arrange_views	<i>Arrange topics based on number of views</i>
---------------	--

Description

Arrange topics based on number of views

Usage

```
arrange_views(  
  topics,  
  by_theme = TRUE,  
  by_date = c("month_year", "year", "all")  
)
```

Arguments

topics	A tibble of topics by theme from en-net forum produced through a call to get_themes_topics() .
by_theme	Logical. Should topics be grouped by theme? Default is <i>TRUE</i> .
by_date	Should topics be grouped by month of the year or just by year or overall? Default is to group by month of the year.

Value

A tibble of topic views by theme and by specified date format arranged in descending order

Author(s)

Ernest Guevarra

Examples

```
library(magrittr)
ennet_topics %>% arrange_views()
```

count_authors	Count the number of topics by author, by theme and by date
---------------	--

Description

Count the number of topics by author, by theme and by date

Usage

```
count_authors(  
  topics,  
  by_theme = TRUE,  
  by_date = c("month_year", "year", "all"),  
  .sort = TRUE  
)
```

Arguments

topics	A tibble of topics by theme from en-net forum produced through a call to get_themes_topics() .
by_theme	Logical. If <i>TRUE</i> (<i>default</i>), count by theme.
by_date	Should topics be counted by month of the year or just by year or total? Default is to count by month of the year.
.sort	Logical. Should output be sorted by count frequencies? Default is <i>TRUE</i> .

Value

A tibble of topic counts by author, by theme and by specified date format

Author(s)

Ernest Guevarra

Examples

```
library(magrittr)  
ennet_topics %>% count_authors()
```

count_topics	<i>Count the number of topics by theme and by date</i>
--------------	--

Description

Count the number of topics by theme and by date

Usage

```
count_topics(topics, by_date = c("month_year", "year", "all"), .sort = TRUE)
```

Arguments

topics	A tibble of topics by theme from en-net forum produced through a call to get_themes_topics() .
by_date	Should topics be grouped by month of the year or just by year or overall? Default is to group by month of the year.
.sort	Logical. Should output be sorted by count frequencies? Default is <i>TRUE</i> .

Value

A tibble of topic counts by theme and by specified date format

Author(s)

Ernest Guevarra

Examples

```
library(magrittr)
ennet_topics %>% count_topics(by_date = "month_year")
```

ennet_themes	<i>en-net themes</i>
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Description

Themes from en-net forum retrieved on 21 November 2020

Usage

```
ennet_themes
```

Format

A tibble with 18 rows and 2 columns:

Variable	Description
themes	Thematic areas in the en-net forum
links	URL of the thematic area

Source

<https://www.en-net.org>

Examples

ennet_themes

ennet_topics	<i>en-net topics</i>
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Description

Topics from en-net forum retrieved on 21 November 2020

Usage

ennet_topics

Format

A tibble with 2996 rows and 7 columns:

Variable	Description
Theme	Thematic areas in the en-net forum
Topic	Short description of the topic/question being discussed/raised
Views	Number of views of the topic/question being discussed/raised
Author	Name of person who raised the topic/question
Posted	Date topic/question was posted on en-net forum
Link	URL of the topic/question being discussed/raised
Replies	Number of replies to the topic/question being discussed/raised

Source

<https://www.en-net.org>

Examples

ennet_topics

get_themes	<i>Get list of thematic areas from en-net.org</i>
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Description

Get list of thematic areas from en-net.org

Usage

```
get_themes(base = "https://www.en-net.org")
```

Arguments

base Base URL of the en-net site. Set to <https://www.en-net.org/>

Value

A tibble containing the thematic areas from **en-net forum** and the corresponding URLs for each thematic area

Examples

```
get_themes()
```

get_themes_topics	<i>Get topics from multiple themes</i>
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Description

Get topics from multiple themes

Usage

```
get_themes_topics(themes = get_themes())
```

Arguments

themes A tibble containing thematic areas and URLs for thematic area pages

Value

A tibble of all topics across all thematic areas with their respective URLs

Examples

```
themes <- ennet_themes  
get_themes_topics(themes = themes[4, ])
```

get_theme_topics *Get theme topics*

Description

Get theme topics

Usage

```
get_theme_topics(link)
```

Arguments

link URL of a specific thematic area

Value

A tibble of all topics for the specified thematic area.

Examples

```
themes <- ennet_themes
get_theme_topics(link = themes$links[4])
```

get_topics_discussions
Get the discussion and details of discussion for a set of topics

Description

Get the discussion and details of discussion for a set of topics

Usage

```
get_topics_discussions(links)
```

Arguments

links A tibble of topics containing URL of topic discussion. This is provided using a call to [get_theme_topics\(\)](#) or [get_themes_topics\(\)](#)

Value

A tibble containing the topic discussions for selected topic/s

Examples

```
links <- get_theme_topics(link = (ennet_themes$links)[4])
get_topics_discussions(link = links[1:3, ])
```

get_topic_discussions *Get the discussion and other details for a particular topic*

Description

Get the discussion and other details for a particular topic

Usage

```
get_topic_discussions(link)
```

Arguments

link URL for topic discussion

Value

A tibble containing the topic question

Examples

```
links <- get_theme_topics(link = (ennet_themes$links)[4])
get_topic_discussions(link = links$Link[1])
```

update_topics *Update en-net topics*

Description

Update en-net topics

Usage

```
update_topics(freq = 0)
```

Arguments

freq A numeric value for time in seconds for frequency of retrieval of updated en-net topics. Defaults to 0 for a single retrieval (no repeats)

Value

A tibble containing the topics across all thematic areas in **en-net forum**

Examples

```
if(interactive()) update_topics()
```

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