Package: EduTestTextAnalysis (via r-universe)

February 20, 2025

Title Predicting multiple-choice item difficulty from text

Version 0.1.9

Description The package provides a 'ShinyItemAnalysis' module for text analysis of multiple-choice items from Czech Matura exam.

License GPL (>= 3)

URL <https://www.ShinyItemAnalysis.org>

BugReports <https://github.com/ApplStat/EduTestTextAnalysis/issues>

Depends R (>= 3.0.0)

Imports backports, dplyr, forcats, magrittr, nsyllable, purrr, quanteda, quanteda.textstats, shiny, stringi, textstem, tibble, tidyr, withr, word2vec

Config/ShinyItemAnalysis/module true

Encoding UTF-8

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.2

NeedsCompilation no

Author Jan Netik [aut] (<<https://orcid.org/0000-0002-3888-3203>>), Jana Dlouha [aut], Patricia Martinkova [aut, cre] (<<https://orcid.org/0000-0003-4754-8543>>), Lubos Stepanek [ctb]

Maintainer Patricia Martinkova <martinkova@cs.cas.cz>

Config/pak/sysreqs make libicu-dev libxml2-dev zlib1g-dev

Repository https://siaverse.r-universe.dev

RemoteUrl https://github.com/siaverse/EduTestTextAnalysis

RemoteRef HEAD

RemoteSha e3635b3108bd9a3840545f5e48b2ced22fc99927

1

Contents

---

extract_tokens	*Extract tokens from a corpus*

Description

This function takes a corpus and extracts tokens from it after removing punctuations, symbols, numbers, and URLs. Additionally, it removes specific patterns from the tokens.

Usage

```
extract_tokens(corp)
```

Arguments

corp   A corpus from which tokens need to be extracted.

Value

A list of tokens.

---

get_ref_vals	*Function to calculate the percentile for a given value and feature*

Description

Function to calculate the percentile for a given value and feature

Usage

```
get_ref_vals(data = reference_values, element, feature, new_value)
```

---

sm_text_analysis *Title of the module*

Description

Here goes the description.

Author(s)

Here goes the author(s) information.

---

text_readability *Title*

Description

Title

Usage

```
text_readability(text)
```

Arguments

text

Index