Package: RKEA (via r-universe)

October 21, 2026

Version 0.0-6

Title R/KEA Interface

Description An R interface to KEA (Version 5.0). KEA (for Keyphrase Extraction Algorithm) allows for extracting keyphrases from text documents. It can be either used for free indexing or for indexing with a controlled vocabulary. For more information see <http://www.nzdl.org/Kea/>.

Imports RKEAjars (>= 5.0-1), rJava (>= 0.6-3), tm

SystemRequirements Java (>= 5.0)

License GPL-2

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NeedsCompilation no

Config/pak/sysreqs default-jdk

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createModel *Create a KEA Model*

Description

Create a keyphrase extraction model.

Usage

```
createModel(corpus, keywords, model, voc = "none", vocformat = "")
```

Arguments

corpus	A list of character vectors containing the text documents, e.g., a Corpus object as provided by package **tm**.
keywords	A list of character vectors containing the keywords for each document in corpus.
model	A character giving the path where the created model should be stored.
voc	A character pointing to a controlled vocabulary.
vocformat	A character giving the format of voc.

Details

A tutorial on keyword extraction is located at http://www.nzdl.org/Kea/Download/Kea-5.0-Readme.txt. There you can find details on the internals of KEA, including various parameter settings (e.g., details on vocabularies and supported formats for these).

When controlled vocabularies are used (by default: no), the voc argument should give the file path to the respective files without their extensions. When vocformat is "skos", the extension must be '.rdf'; when "text", there must be files with extensions '.en', '.rel' and '.use'.

Value

Invisibly returns model, i.e., the path to the created KEA model.

Author(s)

Ingo Feinerer

References

http://www.nzdl.org/Kea/

See Also

extractKeywords

`extractKeywords` *Extract Keywords*

Description

Extract keywords from text documents.

Usage

```
extractKeywords(corpus, model, voc = "none", vocformat = "")
```

Arguments

`corpus`	A list of character vectors containing the text documents, e.g., a `Corpus` object as provided by package~**tm**, used for keyword extraction.
`model`	A character giving the path to a KEA model.
`voc`	A character pointing to a controlled vocabulary.
`vocformat`	A character giving the format of `voc`.

Details

A tutorial on keyword extraction is located at `http://www.nzdl.org/Kea/Download/Kea-5.0-Readme.txt`. There you can find details on the internals of KEA, including various parameter settings (e.g., valid arguments for `voc` and `vocformat`).

Value

A list of character vectors corresponding to the keywords in `corpus`.

Author(s)

Ingo Feinerer

References

`http://www.nzdl.org/Kea/`

See Also

`createModel`

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