

Package ‘RKEA’

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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)

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createModel	<i>Create a KEA Model</i>
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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	<i>Extract Keywords</i>
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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 <code>tm</code> , 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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* **file**

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