

# Package: RKEA (via r-universe)

October 25, 2024

**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

**Author** Ingo Feinerer [aut], Kurt Hornik [aut, cre]

**Maintainer** Kurt Hornik <Kurt.Hornik@R-project.org>

**NeedsCompilation** no

**Repository** CRAN

**Date/Publication** 2015-04-03 17:27:56

## Contents

createModel . . . . .	1
extractKeywords . . . . .	2

<b>Index</b>	<b>4</b>
--------------	----------

---

createModel	<i>Create a KEA Model</i>
-------------	---------------------------

---

## 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 <b>tm</b> .
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>
-----------------	-------------------------

---

### 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](#)

# Index

\* **file**

createModel, [1](#)

extractKeywords, [2](#)

createModel, [1](#), [3](#)

extractKeywords, [2](#), [2](#)