To find keywords from a given domain-free text: Yake

**Yake:**

LIAAD - Laboratory of Artificial Intelligence and Decision Support

The **Laboratory of Artificial Intelligence and Decision Support (LIAAD)** is an R&D laboratory. It is one of the associated units of[INESC Tec](https://www.inesctec.pt/) which is funded by [FCT](http://www.fct.pt/).  LIAAD belongs to [*Computer Science Cluster*](https://www.inesctec.pt/en/research/computer-science-14#centers) of Inesc Tec., which apart from [LIAAD](https://www.inesctec.pt/en/centres/liaad), includes also [CRACS](https://www.inesctec.pt/en/centres/cracs), [CSIG](https://www.inesctec.pt/en/centres/csig)and [Haslab](https://www.inesctec.pt/en/centres/haslab).  
LIAAD has long experience with AI. It originated from [LIACC](https://sigarra.up.pt/feup/en/uni_geral.unidade_view?pv_unidade=351)-NIAAD that was founded back in 1988.

## **References :**

Please cite the following works when using YAKE

**In-depth journal paper at Information Sciences Journal**

Campos, R., Mangaravite, V., Pasquali, A., Jatowt, A., Jorge, A., Nunes, C. and Jatowt, A. (2020). YAKE! Keyword Extraction from Single Documents using Multiple Local Features. In Information Sciences Journal. Elsevier, Vol 509, pp 257-289. [pdf](https://doi.org/10.1016/j.ins.2019.09.013)

**ECIR'18 Best Short Paper**

Campos R., Mangaravite V., Pasquali A., Jorge A.M., Nunes C., and Jatowt A. (2018). A Text Feature Based Automatic Keyword Extraction Method for Single Documents. In: Pasi G., Piwowarski B., Azzopardi L., Hanbury A. (eds). Advances in Information Retrieval. ECIR 2018 (Grenoble, France. March 26 – 29). Lecture Notes in Computer Science, vol 10772, pp. 684 - 691. [pdf](https://link.springer.com/chapter/10.1007/978-3-319-76941-7_63)

Campos R., Mangaravite V., Pasquali A., Jorge A.M., Nunes C., and Jatowt A. (2018). YAKE! Collection-independent Automatic Keyword Extractor. In: Pasi G., Piwowarski B., Azzopardi L., Hanbury A. (eds). Advances in Information Retrieval. ECIR 2018 (Grenoble, France. March 26 – 29). Lecture Notes in Computer Science, vol 10772, pp. 806 - 810. [pdf](https://link.springer.com/chapter/10.1007/978-3-319-76941-7_80)

## Awards

[ECIR'18](http://ecir2018.org/) Best Short Paper

**GITHUB**: <https://github.com/LIAAD/yake>

To generate questions from a given keyword:

**GITHUB**: <https://github.com/sumehta/question-generation>

**References:**

Refer ReadMe file from the github repo for citations and papers.

IMP: The original software is a product of PhD thesis of Michael Heilman. The original JAVA code and other instructions/resources/dependencies can be found [here](http://www.cs.cmu.edu/~ark/mheilman/questions/).

Links for original work: <http://www.cs.cmu.edu/~ark/mheilman/questions/>