

Resource Summary Report

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U-Compare

RRID:SCR_004911

Type: Tool

Proper Citation

U-Compare (RRID:SCR_004911)

Resource Information

URL: <http://u-compare.org/>

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Description: An integrated text mining / natural language processing system based on the Unstructured Information Management Architecture (UIMA) Framework. It allows interoperability of text mining tools and allows the creation of text mining workflows, comparison and visualization of tools. U-Compare can be launched straight from the web or downloaded. As the name implies comparison of components and workflows is a central feature of the system. U-Compare allows sets of components to be run in parallel on the same inputs and then automatically generates statistics for all possible combinations of these components. Once a workflow has been created in U-Compare it can be exported and shared with other users or used with other UIMA compatible tools and so in addition to comparison, U-Compare also functions as a general purpose workflow creation tool. It contains a repository of 50+ biomedical text mining components. These components are included in the U-Compare single-click-to-launch package, ready to use by just drag-and-drop. You can also use this repository independent from the U-Compare system. Link with Taverna It has a link with Taverna for scientific workflows, <http://bioinformatics.oxfordjournals.org/content/26/19/2486.abstract>, where you can use U-Compare and its workflow from within the Taverna workflow. There are two ways, the U-Compare Taverna plugin and the U-Compare command line mode as a Taverna activity. We have recently integrated it with Peter Murray-Rust's OSCAR for Chemistry (see <http://www.nactem.ac.uk/cheta/>) Web Demo: <http://www.nactem.ac.uk/software/cheta/>

Abbreviations: U-Compare

Resource Type: workflow software, software resource, software application, text-mining software, service resource, data processing software

Defining Citation: [PMID:19414535](#)

Keywords: statistics, text mining, natural language processing, interoperability, comparison, workflow, computational linguistics

Funding: NIGMS R01 GM083649-04;
NLM R01 LM008111-07;
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NLM R01LM009254

Resource Name: U-Compare

Resource ID: SCR_004911

Alternate IDs: nlx_87780

Record Creation Time: 20220129T080227+0000

Record Last Update: 20260808T185829+0000

Ratings and Alerts

No rating or validation information has been found for U-Compare.

No alerts have been found for U-Compare.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

M??ller HM, et al. (2018) Textpresso Central: a customizable platform for searching, text mining, viewing, and curating biomedical literature. BMC bioinformatics, 19(1), 94.

Blaschke C, et al. (2013) The Functional Genomics Network in the evolution of biological text mining over the past decade. New biotechnology, 30(3), 278.

Kano Y, et al. (2010) Text mining meets workflow: linking U-Compare with Taverna. Bioinformatics (Oxford, England), 26(19), 2486.

Thompson P, et al. (2009) Construction of an annotated corpus to support biomedical information extraction. BMC bioinformatics, 10, 349.

Kano Y, et al. (2009) U-Compare: share and compare text mining tools with UIMA. Bioinformatics (Oxford, England), 25(15), 1997.