

The LODeXporter: Flexible Generation of Linked Open Data Triples from NLP Frameworks for Automatic Knowledge Base Construction

Submitted by [bahar](#) [1] on Thu, 2018-06-28 09:25

- [Automatic Knowledge Base Construction](#) [2]
- [Linked Open Data](#) [3]
- [Linked Open Data](#) [4]
- [Semantic Publishing](#) [5]
- [Semantic Publishing](#) [6]
- [Semantic Web](#) [7]
- [Semantic Web](#) [8]
- [NLP](#) [9]
- [Text Mining](#) [10]

Title	The LODeXporter: Flexible Generation of Linked Open Data Triples from NLP Frameworks for Automatic Knowledge Base Construction
Publication Type	Conference Paper
Year of Publication	2018
Refereed Designation	Refereed
Authors	Witte, R. [11], and B. Sateli [12]
Editors	Calzolari, N. [13], K. Choukri [14], C. Cieri [15], T. Declerck [16], S. Goggi [17], K. Hasida [18], H. Isahara [19], B. Maegaard [20], J. Mariani [21], H. Mazo [22], A. Moreno [23], J. Odijk [24], S. Piperidis [25], and T. Tokunaga [26]
Conference Name	Proceedings of the Eleventh International Conference on Language Resources and Evaluation (LREC 2018)
Pagination	2423-2428
Date Published	May 7-12, 2018
Publisher	European Language Resources Association (ELRA)
Conference Location	Miyazaki, Japan
ISBN Number	979-10-95546-00-9
Keywords	Automatic Knowledge Base Construction [27], Linked Open Data [28], Semantic Web [29]
Abstract	We present LODeXporter, a novel approach for exporting Natural Language Processing (NLP) results to a graph-based knowledge base, following Linked Open Data (LOD) principles. The rules for transforming NLP entities into Resource Description Framework (RDF) triples are described in a custom mapping language, which is defined in RDF Schema (RDFS) itself, providing a separation of concerns between NLP pipeline engineering and knowledge base engineering. LODeXporter is available as an open source component for the GATE (General Architecture for Text Engineering) framework.
URL	https://www.aclweb.org/anthology/L18-1385 [30]
Acknowledgments	This work was partially funded by a Natural Sciences and Engineering Research Council of Canada (NSERC) Discovery Grant (DG).

Attachment	Size
lodexporter-lrec2018.pdf [31]	234.03 KB



Except where otherwise noted, all original content on this site is copyright by its author and licensed under a [Creative Commons Attribution-Share Alike 2.5 Canada License](#).

Source URL (retrieved on 2025-12-22 04:00):

<https://www.semanticsoftware.info/biblio/lodexporter-flexible-generation-linked-open-data-triples-nlp-frameworks-automatic-knowledge-0>

Links:

- [1] <https://www.semanticsoftware.info/users/bahar>
- [2] <https://www.semanticsoftware.info/category/blog-tags/automatic-knowledge-base-construction>
- [3] <https://www.semanticsoftware.info/taxonomy/term/418>
- [4] <https://www.semanticsoftware.info/category/blog-tags/linked-open-data>
- [5] <https://www.semanticsoftware.info/taxonomy/term/419>
- [6] <https://www.semanticsoftware.info/taxonomy/term/390>
- [7] <https://www.semanticsoftware.info/category/blog-tags/semantic-web>
- [8] <https://www.semanticsoftware.info/category/topic/semantic-web>
- [9] <https://www.semanticsoftware.info/category/topic/nlp>
- [10] <https://www.semanticsoftware.info/category/topic/text-mining>
- [11] <https://www.semanticsoftware.info/biblio/author/1>
- [12] <https://www.semanticsoftware.info/biblio/author/73>
- [13] <https://www.semanticsoftware.info/biblio/author/186>
- [14] <https://www.semanticsoftware.info/biblio/author/173>
- [15] <https://www.semanticsoftware.info/biblio/author/174>
- [16] <https://www.semanticsoftware.info/biblio/author/175>
- [17] <https://www.semanticsoftware.info/biblio/author/176>
- [18] <https://www.semanticsoftware.info/biblio/author/177>
- [19] <https://www.semanticsoftware.info/biblio/author/178>
- [20] <https://www.semanticsoftware.info/biblio/author/179>
- [21] <https://www.semanticsoftware.info/biblio/author/180>
- [22] <https://www.semanticsoftware.info/biblio/author/181>
- [23] <https://www.semanticsoftware.info/biblio/author/182>
- [24] <https://www.semanticsoftware.info/biblio/author/183>
- [25] <https://www.semanticsoftware.info/biblio/author/184>
- [26] <https://www.semanticsoftware.info/biblio/author/185>
- [27] <https://www.semanticsoftware.info/biblio/keyword/117>
- [28] <https://www.semanticsoftware.info/biblio/keyword/103>
- [29] <https://www.semanticsoftware.info/biblio/keyword/2>
- [30] <https://www.aclweb.org/anthology/L18-1385>
- [31] <https://www.semanticsoftware.info/system/files/lodexporter-lrec2018.pdf>