

Home | Computational Linguistics | List of Issues | Volume 32 , No. 4 | N-gram-based Machine Translation



N-gram-based Machine Translation

[Show all authors](#)

José B. Mariño, Rafael E. Banchs, Josep M. Crego, Adrià de Gispert,

Posted Online November 21, 2006

<https://doi.org/10.1162/coli.2006.32.4.527>

© 2006 Massachusetts Institute of Technology

Computational Linguistics
Volume 32 | Issue 4 | December 2006
p.527-549

 **Download Options** 

Abstract Authors

This article describes in detail an n-gram approach to statistical machine translation. This approach consists of a log-linear combination of a translation model based on n-grams of bilingual units, which are referred to as tuples, along with four specific feature functions. Translation performance, which happens to be in the state of the art, is demonstrated with Spanish-to-English and English-to-Spanish translations of the European Parliament Plenary Sessions (EPPS).

Forthcoming

Quarterly (March, June, September, December)

160pp. per issue

6 3/4 x 10

Founded: 1974

2018 Impact Factor: 1.319

2018 Google Scholar h5-index: 32

ISSN: 0891-2017

E-ISSN: 1530-9312

Journal Resources

[Editorial Info](#)

[Abstracting and Indexing](#)

[Release Schedule](#)


[Advertising Info](#)

Author Resources

Submission Guidelines
Publication Agreement
Author Reprints

Reader Resources

Rights and Permissions
Most Read
Most Cited

More About Computational Linguistics 

Metrics 



67 Total citations

10 Recent

citations


3.34 Field Citation

Ratio

n/a Relative


Citation Ratio


Open Access 


 Computational Linguistics Computational Linguistics is Open Access. All content is freely available in electronic format (Full text HTML, PDF, and PDF Plus) to readers across the globe. All

Most Read

[See More](#)

 **Lexicon-Based Methods for Sentiment Analysis** (14087 times)
Maite Taboada et al.
Computational Linguistics
Volume: 37, Issue: 2, pp. 267-307


 **Computational Linguistics and Deep Learning** (10542 times)
Christopher D. Manning
Computational Linguistics
Volume: 41, Issue: 4, pp. 701-707

 **Near-Synonymy and Lexical Choice** (3675 times)
Philip Edmonds et al.
Computational Linguistics
Volume: 28, Issue: 2, pp. 105-144


(Note that the Most Read numbers are based on the number of full text downloads over the last 12 months.)

Most Cited

[See More](#)

 **Lexicon-Based Methods for Sentiment Analysis** (436 times)
Maite Taboada et al.
Computational Linguistics
Volume: 37, Issue: 2, pp. 267-307

 **A Systematic Comparison of Various Statistical Alignment Models** (174 times)
Franz Josef Och et al.
Computational Linguistics
Volume: 29, Issue: 1, pp. 19-51

 **Opinion Word Expansion and Target Extraction through Double Propagation** (147 times)
Guang Qiu et al.
Computational Linguistics
Volume: 37, Issue: 1, pp. 9-27

(Note that the Most Cited numbers are based on Crossref's [Cited-by service](#) and reflect citation information for the past 24 months.)

Download Options

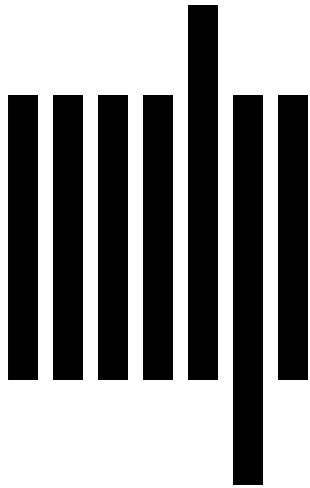
Favorite  Sign up for Alerts 

Download Citation  RSS TOC 

RSS Citation  Submit your article

Support OA at MITP 

articles are published under a [CC BY-NC-ND 4.0 license](#). For more information on allowed uses, please view the [CC license](#).
[Support OA at MITP](#)



Journals

Books

US

One Rogers Street
Cambridge MA 02142-1209

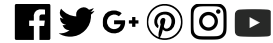
Terms &
Conditions

UK

Suite 2, 1 Duchess
Street London, W1W
6AN, UK

Privacy
Statement

Connect



Contact Us

© 2018 The MIT Press
Technology Partner:
[Atypon Systems, Inc.](#)
[CrossRef Member](#)
[COUNTER Member](#)
The MIT Press
colophon is registered
in the U.S. Patent and
Trademark Office.
[Site Help](#)