

Enriching Word Vectors with Subword Information

<u>Piotr Bojanowski, Edouard Grave, Armand Joulin, Tomas Mikolov</u> • Transactions of the Association for Computational... • 2017

Continuous **word** representations, trained on large unlabeled corpora are useful for many natural language processing tasks. Popular models that learn such representations ignore the morphology of... (More)

Results by year

Learning Word Vectors for Sentiment Analysis

Andrew L. Maas, Raymond E. Daly, Peter T. Pham, Dan Huang, Andrew Y. Ng, Christopher Potts • ACL • 2011

Publications Learning **Word Vectors** for Sentiment Analysis. Andrew L. Maas, Raymond E. Daly, Peter T. Pham, Dan Huang, Andrew Y. Ng, and Christopher Potts. The 49 th Annual Meeting of the Association... (More)

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Glove: Global Vectors for Word Representation

<u>Jeffrey Pennington</u>, <u>Richard Socher</u>, <u>Christopher D. Manning</u> • EMNLP • 2014

Recent methods for learning **vector** space representations of words have succeeded in capturing fine-grained semantic and syntactic regularities using **vector** arithmetic, but the origin of these... (More)

From Frequency to Meaning: **Vector** Space Models of Semantics

Peter D. Turney, Patrick Pantel • J. Artif. Intell. Res. • 2010

Computers understand very little of the meaning of human language. This profoundly limits our ability to give instructions to computers, the ability of computers to explain their actions to us, and... (More)

Deep contextualized word representations

Matthew E. Peters, Mark Neumann, +4 authors Luke S. Zettlemoyer • NAACL-HLT • 2018

We introduce a new type of deep contextualized **word** representation that

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The support-**vector** network is a new learning machine for two-group classification problems. The machine conceptually implements the following idea: input **vectors** are non-linearly mapped to a very... (More)



Efficient Estimation of **Word** Representations in **Vector** Space

Tomas Mikolov, Kai Chen, Gregory S. Corrado, Jeffrey Dean · ICLR · 2013

We propose two novel model architectures for computing continuous **vector** representations of words from very large data sets. The quality of these representations is measured in a **word** similarity... (More)



SVMTorch: Support **Vector** Machines for Large-Scale Regression Problems

Ronan Collobert, Samy Bengio · Journal of Machine Learning Research · 2000

Support **Vector** Machines (SVMs) for regression problems are trained by solving a quadratic optimization problem which needs on the order of I memory and time resources to solve, where I is the number... (More)



Neural **Word** Embedding as Implicit Matrix Factorization

Omer Levy, Yoav Goldberg · NIPS · 2014

We analyze skip-gram with negative-sampling (SGNS), a **word** embedding method introduced by Mikolov et al., and show that it is implicitly factorizing a **word**-context matrix, whose cells are the... (More)



Support **vector** machines for histogram-based image classification

Olivier Chapelle, Patrick Haffner, Vladimir Vapnik • IEEE Trans. Neural Networks • 1999

Traditional classification approaches generalize poorly on image classification tasks, because of the high dimensionality of the feature space. This paper shows that support **vector** machines (SVM's)... (More)



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