Neural **word embedding** as implicit matrix factorization

O Levy, Y Goldberg - Advances in neural information processing …, 2014 - papers.nips.cc

… Dependency-based **word embeddings**. In ACL, 2014 … Distributed represen- tations of **words** and phrases and their compositionality. In NIPS, 2013. [22] Tomas Mikolov, Wen-tau Yih, and Geoffrey Zweig. Linguistic regularities in continuous space **word** representations …

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A Frome, GS Corrado, J Shlens, S Bengio… - Advances in neural …, 2013 - papers.nips.cc

… [13] Tomas Mikolov, Kai Chen, Greg S. Corrado, and Jeffrey Dean. Efficient estimation of **word** represen- tations in vector space … Distributed representations of **words** and phrases and their compositionality … Zero-shot learning by convex combination of semantic **embeddings** …

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X Wang, Y Liu, SUN Chengjie, B Wang… - Proceedings of the 53rd …, 2015 - aclweb.org

… **words** are quite similar with other adverbs in un- supervised learned **embeddings**, while the pro … With the decrease of overlap of polarities, senti- ment of **word** turns more distinguishable … phrases are typical cases where senti- ment is expressed by sequence rather than **words** …

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An autoencoder approach to learning bilingual **word** representations

SC AP, S Lauly, H Larochelle, M Khapra… - Advances in Neural …, 2014 - papers.nips.cc

… While their trained **embed- dings** are not publicly available, they report results for the EN/DE classification experiments, with … The excellent performance of BAE-cr suggests that merging several sentences into single bags-of- **words** can still yield good **word embeddings** …

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L Dixon, J Li, J Sorensen, N Thain… - Proceedings of the 2018 …, 2018 - dl.acm.org

… and provides a technique to "de-**bias**" them, allowing these more fair **embeddings** to be … and the disproportionate number of toxic examples for comments containing these **words** in the … in the original toxicity model: it made generalizations such as associating the **word** 'gay' with …

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A survey of **word embeddings** evaluation methods

A Bakarov - arXiv preprint arXiv:1801.09536, 2018 - arxiv.org

… for extrinsic evaluation either implicitly (without mentioning the problem of **word embed- dings** evaluation) or … such as the **word** semantic similarity method, tries to evaluate the ability of **word embeddings** to form a vector space with predictable distances between **words**, but it …

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J Pennington, R Socher, C Manning - Proceedings of the 2014 …, 2014 - aclweb.org

… (2014) proposed explicit **word embed- dings** based on a PPMI metric … We explore the effect of these choices be- low. In all cases we use a decreasing weighting function, so that **word** pairs that are d **words** apart contribute 1/d to the total count …

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T Kočiský, KM Hermann, P Blunsom - arXiv preprint arXiv:1405.0947, 2014 - arxiv.org

… classification task we want to gain further insight into the types of fea- tures our **embeddings** learn … ure 1 shows an extract from our projection of the 2,000 most frequent German **words**, together with an expected representation of a translated English **word** given translation …

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SNE: signed network **embedding**

S Yuan, X Wu, Y Xiang - Pacific-Asia conference on knowledge discovery …, 2017 - Springer

… for the target **word** by linearly combining the feature vectors of **words** in the … The log-bilinear model then trains **word embeddings** $\mathbf{v}$ and position weight vectors $\mathbf{c}$ … Thus, the learned node **embeddings** capture the information of positive and negative links in …

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… **words** and the vector u. A multiplicative model has the additional property that the **word embedding** matrix is … order model of **words** allows one to model conditional similarity: how meanings of **words** change as … Let E = (Wfk) Wfv denote a 'folded' K × V matrix of **word embeddings** …

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