

## Better summarization evaluation with **word embeddings** for rouge

JP Ng, V Abrecht - arXiv preprint arXiv:1508.06034, 2015 - arxiv.org

... We will now explain how **word embeddings** can be incorporated into ROUGE ... We improve on this by incorporating the use of **word embeddings** ... ment allows us to go beyond surface lexicographic matches, and capture instead the semantic similarities between **words** used in ...

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## Outta control: Laws of semantic change and inherent **biases** in **word** representation models

H Dubossarsky, D Weinshall, E Grossman - Proceedings of the 2017 ..., 2017 - aclweb.org

... Thus any proposed change in meaning is contingent on a particular model of **word** representation and the method used to ... models typically count **words** and their co-occurrence statistics (explicit models) or predict the **embedding** contexts of **words** (implicit models) ...

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## Learning cross-lingual **word embeddings** via matrix co-factorization

T Shi, Z Liu, Y Liu, M Sun - Proceedings of the 53rd Annual Meeting of ..., 2015 - aclweb.org

... matrices. It can be derived from either cross-lingual co-occurrences or similarities between cross-lingual **word** pairs. 4.1 Cross-lingual Contexts ... optimizes 568 Page 3. **words** in similar contexts into similar **embeddings**. It ...

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## Re-embedding words

I Labutov, H Lipson - Proceedings of the 51st Annual Meeting of the ..., 2013 - aclweb.org

... for this optimization problem can be posed by requiring that the distance between every pair of **words** in the ... However, this objective is no longer convex in the **embeddings** ... We presented a novel approach to adapting existing **word** vectors for improving performance in a text ...

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## Morphological **word-embeddings**

R Cotterell, H Schütze - Proceedings of the 2015 Conference of the ..., 2015 - aclweb.org

... To the best of our knowledge, no previous **word-embedding** techniques have attempted to incorporate ... there has been recent work on incorporating morphological segmentations into **embeddings**—generally in ... All models were trained on the first 200k **words** of the train split of ...

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## Learning bilingual sentiment **word embeddings** for cross-language sentiment classification

H Zhou, L Chen, F Shi, D Huang - ... of the 53rd Annual Meeting of the ..., 2015 - aclweb.org

... will prove that the proposed BSWE outperform the traditional bilingual **embeddings** significantly in ... learned BSWE [WE,WC], whose columns are representations for sentiment **words**, we can ... Given an English training document dE containing 2,000 sentiment **word** features s1,s2 ...

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## Word sense disambiguation using a bidirectional lstm

M Kågebäck, H Salomonsson - arXiv preprint arXiv:1606.03568, 2016 - arxiv.org

... **Word embeddings** are trained in an unsupervised fashion, typically on large amounts of data ... system, by Taghipour and Ng (2015), that uses separately trained **word embeddings** as input ... set of other features including POS tags, collocations and surrounding **words** to achieve ...

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## Bilbowa: Fast bilingual distributed representations without **word** alignments

S Gouw, Y Bengio, G Corrado - 2015 - jmlr.org

... the BilBOWA-loss minimizes a sampled L2-loss between the mean bag-of-**words** sentence-vectors of ... since all **embeddings** would converge to the trivial solution (by collapsing all **embeddings** to the ... BilBOWA: Fast Bilingual Distributed Representations without **Word** Alignments ...

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## Gender **bias** in coreference resolution: Evaluation and debiasing methods

J Zhao, T Wang, M Yatskar, V Ordonez... - arXiv preprint arXiv ..., 2018 - arxiv.org

... Finally, we demonstrate a data-augmentation approach that, in combination with existing **word-embedding** debiasing techniques, re ... In combination with methods that remove **bias** from fixed resources such as **word embeddings** (Bolukbasi et al ... debiasing **word embeddings** ...

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## Evaluating the stability of embedding-based word similarities

M Antoniak, D Mimno - Transactions of the Association of Computational ..., 2018 - MIT Press

... Most Similar **Words** PPMI fixed shuffled bootstrap Table 4: The most similar **words** with their means and standard deviations for the cosine similarities between the query **word** marijuana and its 10 ...

**Embeddings** are learned from documents segmented by sentence ...

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