

Gender bias in coreference resolution

R Rudinger, J Naradowsky, B Leonard... - arXiv preprint arXiv ..., 2018 - arxiv.org

... exception is in the case of systems which make use of pre-trained **word embeddings** (Clark and ... A number of papers explore (gender) **bias** in English **word embeddings** ... between author gender and text attributes, noting the potential for researcher interpretation **bias** in such ...

☆  Cited by 12 Related articles All 4 versions 

Document embedding with paragraph vectors

AM Dai, C Olah, QV Le - arXiv preprint arXiv:1507.07998, 2015 - arxiv.org

... Table 3: Performances of different methods on hand-built triplets of Wikipedia articles on the best performing dimensionality. Model **Embedding** Accuracy dimensions/topics Paragraph vectors 10000 93.0% LDA 5000 82% Averaged **word embeddings** 3000 84.9% Bag of **words** ...

☆  Cited by 174 Related articles All 9 versions 

Bilingually-constrained phrase embeddings for machine translation

J Zhang, S Liu, M Li, M Zhou, C Zong - ... of the 52nd Annual Meeting of ..., 2014 - aclweb.org

... After learning **word embeddings** with DNN (Bengio et al., 2003; Collobert and Weston, 2008; Mikolov et al. ... $L \in \mathbb{R}^{n \times |V|}$. Given a phrase which is an ordered list of m **words**, each **word** has ... of the **embedding** matrix L . The index i is used to retrieve the **word's** vector representation ...

☆  Cited by 92 Related articles All 16 versions 

A latent variable model approach to pmi-based word embeddings

S Arora, Y Li, Y Liang, T Ma, A Risteski - Transactions of the Association ..., 2016 - MIT Press

... walk involves a latent discourse vector, which has a clearer semantic interpretation and has proven useful in subsequent work, eg understanding structure of **word embeddings** for polysemous **words** Arora et al. (2016). Also our work clarifies some weighting and **bias** terms in ...

☆  Cited by 64 Related articles All 6 versions 

Gaussian lda for topic models with word embeddings

R Das, M Zaheer, C Dyer - Proceedings of the 53rd Annual Meeting of ..., 2015 - aclweb.org

... between **embeddings** correlate with semantic similarity (Collobert and Weston, 2008; Turney and Pantel, 2010 ... language model term does not change too drastically whenever we resample a single **word**. The number of **words** is huge, hence the amount of change per **word** is ...

☆  Cited by 141 Related articles All 10 versions 

An empirical evaluation of doc2vec with practical insights into document embedding generation

JH Lau, T Baldwin - arXiv preprint arXiv:1607.05368, 2016 - arxiv.org

... compute a document **embedding** by taking the component-wise mean of its component **word embeddings** ... another baseline model that converts a document into a distribution over **words** via maximum ... ment similarity using the Jensen Shannon divergence.5 For **word** types we ...

☆  Cited by 176 Related articles All 10 versions 

Massively multilingual word embeddings

W Ammar, G Mulcaire, Y Tsvetkov, G Lample... - arXiv preprint arXiv ..., 2016 - arxiv.org

... QVEC. The main idea behind QVEC is to quantify the linguistic content of **word embeddings** by maximizing the correlation with a manually-annotated linguistic resource. Let the number of common **words** in the vocabulary of the **word embeddings** and the ...

☆  Cited by 108 Related articles All 4 versions 

Metadata embeddings for user and item cold-start recommendations

M Kula - arXiv preprint arXiv:1507.08439, 2015 - arxiv.org

... by converting the 'About Me' sections of users' profiles to a bag-of-**words** representation ... are closely related to forms of matrix factorisation [9]. Nevertheless, LightFM and **word embeddings** differ in one important respect: whilst word2vec and GloVe **embeddings** are driven by ...

☆  Cited by 64 Related articles All 4 versions 

Rc-net: A general framework for incorporating knowledge into word representations

C Xu, Y Bai, J Bian, B Gao, G Wang, X Liu... - Proceedings of the 23rd ..., 2014 - dl.acm.org

... it is quite difficult to obtain high quality **embeddings** for those **words** with very little ... of noisy or **biased** context could give rise to ineffective **word embeddings** either ... Unfortunately, there are very few previous studies that attempt to explore knowledge powered **word embedding** ...

☆  Cited by 122 Related articles All 4 versions 

Compressing neural language models by sparse **word** representations

Y Chen, L Mou, Y Xu, G Li, Z Jin - arXiv preprint arXiv:1610.03950, 2016 - arxiv.org

... Similar to the compression of **word embeddings**, we define a base set of weight vectors, and use ... of B base target **words**, and $c = b1:B$ be **bias** of the B target **words**.³ The ... As both **word embedding** and context vectors capture these co-occurrence statistics (Levy and Goldberg ...

☆  Cited by 9 [Related articles](#) [All 7 versions](#) 