Machine learning in action

P Harrington - 2012 - library02.embl.de

… Bayes 65 4.5 Classifying text with Python 67 Prepare: making **word vectors** from text 67 • Train: calculating probabilities from **word vectors** 69 • Test … 6.5 Using kernels for more complex data 118 Mapping data to higher dimensions with kernels 118 • The radial **bias** function as a …

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Measuring self-focus **bias** in community-maintained knowledge repositories

B Hecht, D Gergle - Proceedings of the fourth international conference …, 2009 - dl.acm.org

… Wikipedia's home countries' delegations, suggesting yet more interesting uses of indegree and PageRank sums as proxies for self-focus **bias** … Even though this study utilized the article network (WAG), other structures of Wikipedia – such as article **word vectors** and the category …

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Context-dependent **word** representation for neural machine translation

H Choi, K Cho, Y Bengio - Computer Speech & Language, 2017 - Elsevier

… Then, we compute a context mask from c x for each **word** embedding vector before it is fed into an input or output recurrent network … context to a binary-like mask (ie, a real number between 0 and 1), with W x and W y (weight matrices), b x and b y (**bias vectors**) being additional …

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Effective training of a neural network character classifier for **word** recognition

LS Yaeger, RF Lyon, BJ Webb - Advances in neural information …, 1997 - papers.nips.cc

… This result<; in erratic **word** recognition failures as the net fails to accurately represent the legitimate ambiguity between characters … 0" relative to the "pressure towards 1" as seen at the output unit", and thus reducing the large **bias** towards o in target **vectors**, might pennit the …

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A critique of **word** similarity as a method for evaluating distributional semantic models

M Batchkarov, T Kober, J Reffin, J Weeds… - Proceedings of the 1st …, 2016 - sro.sussex.ac.uk

… high-similarity **word** pairs. However, individual judges exhibit a **bias** towards similarity scores in the middle of the spectrum … One method of reliably generating poor **word vectors** is to start with a distributional model and decrease its quality by adding random noise. The evalua …

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Fine-grained opinion mining with recurrent neural networks and **word** embeddings

P Liu, S Joty, H Meng - Proceedings of the 2015 Conference on …, 2015 - aclweb.org

… con- secutive cell activations, respectively, which are associated with gate k (ie, input, output, forget and cell), and bk is the associated **bias** vector … two **vectors** … In our example sentence (Table 1), to correctly tag the **word** hard as a B-TARG, it is beneficial for the RNN to know that …

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Recursive deep models for semantic compositionality over a sentiment treebank

R Socher, A Perelygin, J Wu, J Chuang… - Proceedings of the …, 2013 - aclweb.org

… The **bias** can be added as an extra column to W if an additional 1 is added to the concatenation of the input **vectors** … Sim- ilar to the random **word vectors**, the parameters of these matrices will be trained to minimize the clas- sification error at each node …

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Deep learning

Y LeCun, Y Bengio, G Hinton - nature, 2015 - nature.com

… multiplication by the product of $\partial y/\partial x$ and $\partial z/\partial x$. It also works when x, y and z are **vectors** (and the … For simplicity, we have omitted **bias** terms … location in the input image (middle and bottom; the lighter patches were given more attention) as it generates each **word** (bold), we …

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Gaussian lda for topic models with **word** embeddings

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

… While this model can in principle handle unseen words, the only **bias** toward being included in a particular topic comes from the topic … This has given rise to data-driven learning of **word vectors** that capture lexical and semantic properties, which is now a technique of central …

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Prior disambiguation of **word** tensors for constructing sentence **vectors**

D Kartsaklis, M Sadrzadeh - Proceedings of the 2013 Conference on …, 2013 - aclweb.org

… In practice, the **bias** −→ b is embedded in adj 2 , hence the above procedure provides us with … The context here is a 5-**word** window on both sides of the target **word**. The **vectors** are disambiguated both syntactically and semantically: first, separate **vectors** have been created for …

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