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## Word embedding's beyond word2vec: GloVe, FastText, StarSpace

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Word embedding is a very convenient and efficient way to extract semantic information from large collections of textual or textual-like data. Essentially, word embedding NLP techniques where words from the vocabulary are mapped to a d-dimensional vector space. This transformation captures semantic similarity in the projected vector space, so semantically related words ideally will be very close. Here, we discuss a comparison of the performance of embedding's techniques like word2vec and GloVe as well as fastText and StarSpace in NLP related problems such as metaphor and sarcasm detection as well as applications in non NLP related tasks, such as recommendation engines similarity.

### Biography

Konstantinos Perifanos has joined Argos in 2017 as a Lead Machine Learning Engineer. Prior to Argos, he worked at Royal Mail, Mailonline, Pearson and in research; he was involved in a broad range of projects from European FP6 research programs to EdTech, Analytics, Search, Predictive Modeling using Machine Learning and AI. He is interested in Deep Learning, Distributed Computing, Optimization, Search, Predictive Analytics and Natural Language Processing.

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