

Word Embedding

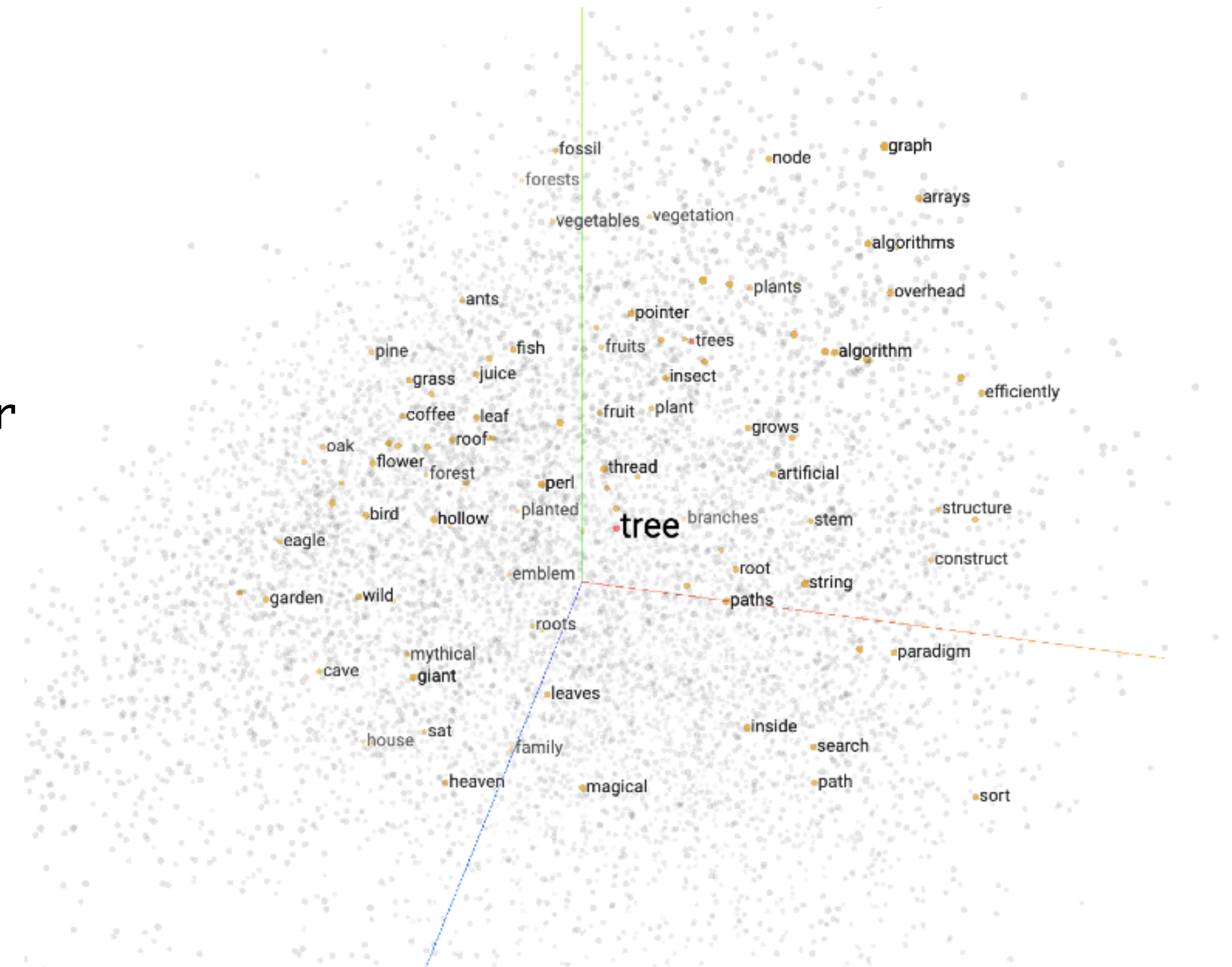
In natural language processing (NLP), a word embedding is a representation of a word. The embedding is used in text analysis.

Typically, the representation is a real-valued vector that encodes the meaning of the word in such a way that words that are closer in the vector space are expected to be similar in meaning.

用向量表示词汇，将词汇映射到向量空间，在向量空间中，特征相近的词汇靠的会比较近

<https://projector.tensorflow.org/>

1w points, 200 dim



输入词向量集合

One-hot Encoding

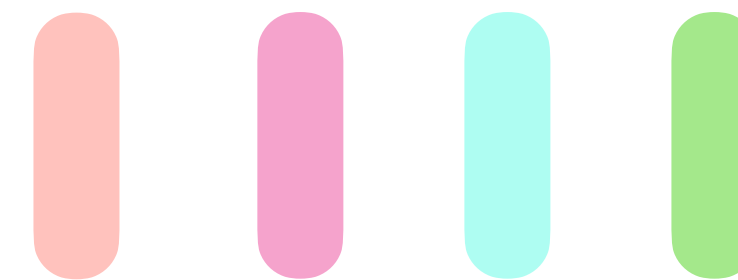
this = [1, 0, 0, 0]

is = [0, 1, 0, 0]

a = [0, 0, 1, 0]

cat = [0, 0, 0, 1]

this is a cat



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