**Word to vector(google)**

Word2vec is a two-layer NN that process text and generate a vector which can used to build the NN model. Word2vec is mostly used to group the similar words together in vector space and that helps to find similar words mathematically.

The vectors used to represent words are called word embeddings.

There are two ways to predict a target word,

1. Continuous Bag Of Words (CBOW)

A close up of a map

Description automatically generated

Context to predict the target word

1. Skip-gram

A close up of a map

Description automatically generatedTarget word to predict the context

n-gram is a contiguous sequence of n time from a given linguistic sequence. Actually, this represent how many words bind with single vector in word2vec.

**Fast text (Facebook)**