Word2Vec

# Introduction

Computers outperform humans in performing computations and maths both in speed and quantity. However, where humans beat computers is their ability to interact with other humans with the help of communication through language. Being able to speak with words and other forms of communication in order to express thoughts, ideas and emotions is what humans do well in. Trying to mimic this idea with computers is not an easy task to do. Not only are computers inept in expressing themselves freely as we humans can, computers are incapable of handling the ambiguities and the uncertainties that come with language and communication.

In the field of Natural Language Processing, ideas and methodologies were discovered in order to aid computers in its comprehension and processing of language and its constructs. A way to approach such a problem is to use the strength of computers in processing and calculating with numbers to help process and understand words within natural languages. Word2Vec is a methodology in the field of NLP that works around this idea.

# Description

Word2Vec or Word-to-Vector is a group of supervised learning algorithms that produces word embeddings. Word embeddings can also refer to the numerical representation of words or word vectors.