

# Key vocabulary about reading #3

## 1. Word Embeddings

Word embeddings are distributed representations of text in an n-dimensional space, such as Word2Vec, that bridge human understanding of language to machine understanding. These representations are crucial for solving various Natural Language Processing (NLP) problems.



## 2. Domain Adaptation

Domain adaptation is a technique that enables Machine Learning and Transfer Learning models to map niche datasets, all written in the same language but linguistically different, to adapt to specific contexts or domains. It is essential for tasks like analyzing legal documents, customer survey responses, and news articles.

## 3. Word2Vec

Word2Vec is a widely used form of word embedding. According to Wikipedia, it takes a large corpus of text as input and produces a vector space with each unique word assigned a corresponding vector. The positioning of word vectors reflects common contexts in the corpus, with similar words located close to each other.



## 4. Verbatim Comments Analysis

Verbatim comments analysis involves using machine learning and word embeddings like Word2Vec to gain insights from customers' comments or reviews. These analyses are crucial for customer-centric enterprises, helping identify sentiments and understand the context in which comments were made



## 5. Music/Video Recommendation System

A recommendation system for music or video that utilizes Word2Vec. In this system, Word2Vec interprets a user's listening queue as a sentence, considering each song as a word. The model captures not only songs similar people generally enjoy but also those frequently listened to together in similar contexts, enhancing user experience.

