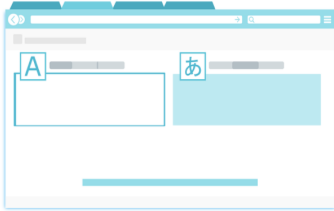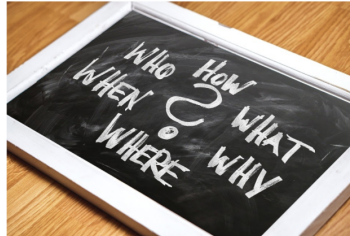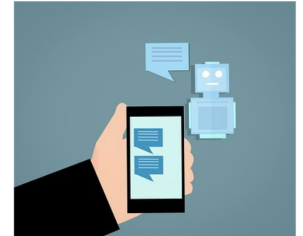# Overview

Word embeddings are used in most NLP applications. Whenever you are dealing with text, you first have to find a way to encode the words as numbers. Word embedding are a very common technique that allows you to do so. Here are a few applications of word embeddings that you should be able to implement by the time you complete the specialization.
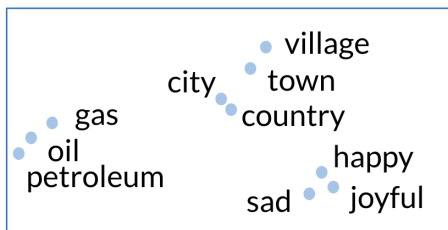

Machine translation

Information extraction

Question answering

Semantic analogies and similarity

Sentiment analysis

Classification of customer feedback

By the end of this week you will be able to:

- Identify the key concepts of word representations

- Generate word embeddings

- Prepare text for machine learning

- Implement the continuous bag-of-words model