

# Chapter 1

## Lexical Semantics and the Distributional Approach

### 1.1 Words and meaning

### 1.2 Relation between senses

#### 1.2.1 Synonymy

#### 1.2.2 Similarity

#### 1.2.3 Relatedness

#### 1.2.4 Antonymy

#### 1.2.5 Connotation

### ~~1.3 Concept representation~~

### 1.3 Lexical embeddings

#### 1.3.1 First step: novels in space

#### 1.3.2 Term-term matrices

#### 1.3.3 Application of embeddings

### 1.4 Static Word Embeddings

#### 1.4.1 Dimensions & coordinates

#### 1.4.2 Machine Learning Paradigm

#### 1.4.3 Word2vec