

Computational Modelling of Lexical Creativity

Fritz Günther

Abstract

In this entry-level course, we will learn to apply computational statistical models (specifically, distributional semantic models/language models) that enable quantitative analyses of novel word meanings. The course will introduce core concepts of distributional semantics/language models, most importantly the semantic vectors they produce. We will then take a closer look at different methods to represent the meanings of novel words, based on their constituents or sub-word information. While some basic programming skills can be useful, they are not required – the course will start from the very basics. In the final topic blocks, we will then see how these techniques can be applied for empirical research on lexical creativity in hands-on sessions.

While some basic programming skills can be useful, they are not required – the course will start from the very basics.