

**Jon Dehdari**

**An Overview of Language Modeling and its Applications**

Statistical language modeling, which provides probabilities for linguistic utterances, is a vital component in machine translation, automatic speech recognition, information retrieval, and many other language technologies. In this talk we will discuss different types of language models and how they are used in various applications. We will give a high-level overview of n-gram, cache, skip, class, topic, and neural-network-based approaches. We also will look at how these perform on different language typologies and at different scales of training set sizes.