

*Machine Translation and Morphologically-rich Languages*: Research  
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Factored Models for Morphology

We developed factored models for statistical machine translation that represent each word as a vector of factors such as the surface form of the word, its stem, its part of speech, and other morphological information. We report on experimental results of using such a representation in phrase-based translation models and also present more recent work on factored representation in grammar-based translation models.