A Not-So-Gentle Morphological Analyzer of Tagalog

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Barring performance issues, the listener succeeds in parsing words 100% of the time. This paper describes the development of an automated parser for Tagalog words that aims for as high a success rate. To achieve this goal, the parser is forced to employ methods that are heavy-handed and not pretty. Nonetheless, the results have many uses. The output parse tree can be input to the next level of text analysis (parts of speech and phrase tagging). The parser is packaged as a browser-based program. A learner can consult it for the morphological composition of words. The parser feeds a frequency counter, which provides a count of Tagalog words, roots, affixes, and affix combinations. The words and affixes and their frequency counts and morphological analyses are stored in a database. The database serves as an online dictionary of Tagalog words and their morphological analyses. The parser can be easily modified for use with other Philippine languages.

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