

Natural Language Processing: Assignment 2

Feature Specification

August 20, 2019

Consider the following sentences

- The mother goes to school to drop the child.
 - The mother goes to school for dropping the child.
 - The mother goes to school having dropped the child.
1. Draw the Phrase Structure Tree and Dependency Tree for each of the sentences.
 2. Add context free grammar(CFG) rules to cover these and similar examples.
 3. Show feature specifications to cover the different tense-aspects of the verb *drop* which are shown here. Does it reduce the number of CFG rules?
 4. Handle agreement between *mother* and *go* using feature specification.

DEADLINE: 26 August 2019, 11:55 PM