

Intro to Linguistics – HW 2 – Syntax

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1. Analyze the following sentences using the following grammar:

- (a) $S \rightarrow NP V (NP (NP)) (PP)$
- (b) $NP \rightarrow (Det) (Adj) N (PP)$
- (c) $NP \rightarrow Pron$
- (d) $PP \rightarrow P NP$
- (e) $S \rightarrow S^+ Conj S$
- (f) $NP \rightarrow NP^+ Conj NP$
- (g) plus all the necessary lexical rules

- (a) The monkey ate a banana and a big melon.
- (b) The small monkey gave me a banana.
- (c) The monkey gave a banana to me.
- (d) George saw the big dog of my friend.
- (e) The shop is at the corner of the street.
- (f) The parents of the groom and the bride. – two analyses
- (g) His son sings and her daughter plays the piano.

2. (a) $S \rightarrow NP V (NP (NP)) (PP)$
(b) $NP \rightarrow (Det) (Adj) N (PP)$
(c) $PP \rightarrow P NP$

- (d) $N \rightarrow \{\text{girl, boy, book}\}$
- (e) $V \rightarrow \{\text{sleeps, gives, sees}\}$
- (f) $Adj \rightarrow \{\text{small, nice, interesting}\}$
- (g) $Det \rightarrow \{\text{a, the}\}$
- (h) $P \rightarrow \{\text{to, with}\}$

Find:

- a. Two sentences that are correct according to both this grammar and grammar of Standard English (GSE). Draw the corresponding syntactic trees.
- b. A sentence that is correct according to this grammar, but incorrect according to GSE. Where is the problem?
- c. A sentence that is incorrect according to this grammar, but is correct according to the GSE. Where is the problem?