# Ling 566 Nov 20, 2014

Catch-up/review



- Ch 13 examples
- Big picture
- Untangle this...
- If time: Berlin CCS recap

#### Some Type Constraints



# The ADV<sub>pol</sub>-Addition Lexical Rule



#### Negation and Reaffirmation: A Sample Tree



#### The Inversion Lexical Rule





#### The Contraction Lexical Rule



#### Contraction: Sample Tree



#### The Ellipsis Lexical Rule



- Note that this is a derivational LR (*d-rule*) -- that is, lexeme-to-lexeme
- This means that SYN and SEM are unchanged, by default



# Parts of our model

- Type hierarchy (lexical types, other types)
- Phrase structure rules
- Lexical rules
- Lexical entries
- Grammatical principles
- Initial symbol



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# Pause for reflection

- What have you learned about the nature of human language?
- What have you learned about how linguists think about language?
- How does this model/type of model differ from CFG (with atomic categories)?
- In what applications might (atomic category) CFG be sufficient?
- What applications might benefit from something linguistically more motivated?

# Complicated example #1

- What phenomena are illustrated by this sentence?
- What rules or interesting lexical types are involved in our analysis of it?
- What tree structure does our grammar assign?

It was explained to me that Kim left.



# Complicated examples #2

I expect it to continue to surprise Kim that Sandy laughed.



# Why not these?

\*I expect it to continue to surprise Kim Sandy laughed.

\*I expect there to continue to surprise Kim that Sandy laughed.

\*I expect that Sandy laughed to Kim be surprised.

Complicated example #4

You all laughed, did you not?

\*You all laughed, did not you?

You all laughed, didn't you?







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