

JMORF — Morpho-Syntax

What have we learned

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Wrap Up

Location: SV 2.39

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Wrap Up

Big picture: Our model

HPSG

Head-driven Phrase Structure Grammar

- Describes a set of strings
- Associates semantic representations (and trees) with well-formed strings
 - Is stated in terms of declarative constraints
... which are order-independent
 - Locates most constraints 'in the lexicon'
 - Is stated in a precise fashion

Parts of our model

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

Universals in our model

- SHAC
- Binding theory
- Head-complement/-specifier/-modifier
- Head Feature Principle
- Valence Principle
- Semantic Compositionality Principle
- ...

Design Goals of our Model

- Precise
- Robust
- Psychologically Plausible
- Computationally Tractable

Course overview

- Survey of some phenomena central to syntactic theory
- Introduction to the HPSG framework
- Process over product: How to build a grammar fragment
- Value of precise formulation (and of getting a computer to do the tedious part for you!)

Reflection

- What was the most surprising thing in this class?
- What do you think is most likely wrong?
- What do you think is the coolest result?
- What do you think you're most likely to remember?
- How do you think this course will influence your work as a (computational) linguist?