

Outline

- Motivation for grammar in MT.
- Hierarchical Model.
- Proper syntax: Constituency vs. dependency trees.

Constituency Syntax:

- Context Free Grammars.
- MT as parsing.
 - Synchronous CFG, LM integration.
- Why real source/target parse trees make it harder.

Dependency Syntax:

- Surface syntax (STSG), problems.
- Deep syntax (t-layer); TectoMT, HMTM.